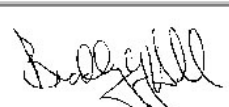


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input checked="" type="checkbox"/>				
<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER Deep Creek 8-22-4-2E				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT UNDESIGNATED				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR CRESCENT POINT ENERGY U.S. CORP						7. OPERATOR PHONE 720 880-3621				
8. ADDRESS OF OPERATOR 555 17th Street, Suite 750, Denver, CO, 80202						9. OPERATOR E-MAIL abaldwin@crecidentpointenergy.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Lee Smith						14. SURFACE OWNER PHONE (if box 12 = 'fee') 801-322-1235				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 2400 Sunnyside, Salt Lake City, UT 84108						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL	FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE	1980 FNL 650 FEL		SENE	22	4.0 S	2.0 E	U			
Top of Uppermost Producing Zone	1980 FNL 650 FEL		SENE	22	4.0 S	2.0 E	U			
At Total Depth	1980 FNL 650 FEL		SENE	22	4.0 S	2.0 E	U			
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 650		23. NUMBER OF ACRES IN DRILLING UNIT 40					
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 920		26. PROPOSED DEPTH MD: 7278 TVD: 7278					
27. ELEVATION - GROUND LEVEL 4967			28. BOND NUMBER LPM9080271		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478					
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	24	16	0 - 40	65.0	H-40 ST&C	8.3	No Used	0	0.0	0.0
Surf	12.25	8.625	0 - 1000	24.0	J-55 ST&C	8.3	Class G	641	1.15	15.8
Prod	7.875	5.5	0 - 7278	17.0	N-80 LT&C	10.0	Light (Hibond)	159	4.31	10.5
							Class G	490	1.65	13.1
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Lauren MacMillan			TITLE Regulatory Specialist			PHONE 303 382-6787				
SIGNATURE			DATE 10/28/2013			EMAIL lmacmillan@crecidentpointenergy.com				
API NUMBER ASSIGNED 43047541020000			APPROVAL  Permit Manager							

Crescent Point Energy U.S. Corp

**Deep Creek 8-22-4-2E**

SE/NE of Section 22, T4S, R2E, USB&amp;M

SHL: 1980' FNL &amp; 650' FEL

Uintah County, Utah

**DRILLING PLAN**1-2. Geologic Surface Formation and Estimated Tops of Important Geologic Markers

Formation	Depth – TVD/MD
Uinta	Surface
Upper Green River Marker	3,246'
Mahogany	3,717'
Garden Gulch (TGR3)	4,739'
Douglas Creek	5,487'
Black Shale	5,981'
Castle Peak	6,239'
Uteland	6,527'
Wasatch	6,678'
TD	7,278'

3. Estimated Depths of Anticipated Water, Oil, Gas Or Minerals

Green River Formation (Oil) 3,246' – 6,678'

Wasatch Formation (Oil) 6,678' – 7,278'

Fresh water may be encountered in the Uinta Formation, but would not be expected below 350'. All usable (>10,000 PPM TDS) water and prospectively valuable minerals (as described by DOGM at onsite) encountered during drilling will be recorded by depth and adequately protected.

All water shows and water bearing geologic units will be reported to the geologic and engineering staff of the DOGM prior to running the next string of casing or before plugging orders are requested. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required. All water shows must be reported within one (1) business day after being encountered. Detected water flows shall be sampled, analyzed, and reported to the geologic and engineering staff at the DOGM. The DOGM may request additional water samples for further analysis.

The following information is requested for water shows and samples where applicable:

Location & Sample Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO <sub>3</sub> ) (mg/l)
Dissolved Bicarbonate (NaHCO <sub>3</sub> ) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO <sub>4</sub> ) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. Proposed Casing & Cementing Program*Casing Design:*

Size	Interval		Weight	Grade	Coupling	Design Factors			
	Top	Bottom				Burst	Collapse	Tension	
<b>Conductor</b> <b>16"</b> <b>Hole Size 24"</b>	0'	40'	65	H-40	STC	1,640	670	439	API
<b>Surface casing</b> <b>8-5/8"</b> <b>Hole Size 12-1/4"</b>	0'	1000'	24	J-55	STC	2,950 405 7.27	1,370 696 1.97	244,000 24,000 10.17	API Load SF
<b>Prod casing</b> <b>5-1/2"</b> <b>Hole Size 7-7/8"</b>	0'	7,278'	17	E-80	LTC	7,740 6,200 1.25	6,290 3,700 1.70	348,000 124,000 2.80	API Load SF

*Assumptions:*

1. Surface casing max anticipated surface pressure (MASP) = Frac gradient – gas gradient
2. Production casing MASP (production mode) = Pore pressure – gas gradient
3. All collapse calculations assume fully evacuated casing w/gas gradient
4. All tension calculations assume air weight

Frac gradient at surface casing shoe = 10.0 ppg  
 Pore pressure at surface casing shoe = 8.33 ppg  
 Pore pressure at prod casing shoe = 8.33 ppg  
 Gas gradient = 0.115 psi/ft

*Minimum Safety Factors:*

Burst = 1.000  
 Collapse = 1.125  
 Tension = 1.800

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of one (1) centralizer per joint on the bottom three joints.

*Cementing Design:*

Job	Fill	Description	Excess	Sacks	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
Surface casing	1000' - surface	Class V 2% chlorides	75%	641	15.8	1.15
Prod casing Lead	3290' to Surface	Hifill Class V 3% chlorides	25% in open-hole, 0% in cased hole	159	10.5	4.31
Prod casing Tail	TD to 3290'	Class G 10% chlorides	15%	490	13.1	1.65

\*Actual volume pumped will have excess over gauge hole or caliper log if available

- Compressive strength of tail cement: 500 psi @ 7 hours

Waiting On Cement: A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out of the wiper plug, cement, or shoe. WOC time shall be recorded in the Driller's Log. Compressive strength shall be a minimum of 500 psi prior to drilling out.

The DOGM Roosevelt Field Office shall be notified, with sufficient lead time, in order to have a DOGM representative on location while running all casing strings and cementing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

The production casing cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A Tuned spacer will be used to prevent contamination of the lead cement by the drilling mud.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

A Form 9, "Sundry Notices and Reports on Wells" shall be filed with the DOGM within 30 days after the work is completed. This report must include the following information:

Setting of each string of casing showing the size, grade, weight of casing set, depth, amounts and type of cement used, whether cement circulated of the top of the cement behind the casing,

depth of the cementing tools used, casing method and results, and the date of the work done. Spud date will be shown on the first reports submitted.

##### 5. Drilling Fluids Program

The Conductor section (from 0' to 40') will be drilled by Auger and final depth determined by when the black shale is encountered with a minimum depth of 40'.

The surface interval will then be drilled to  $\pm 1000'$  with air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run to the reserve pit. A variance is in request for this operation. The request can be found in Section 12 of this plan.

From  $\pm 1000'$  to TD, a brine water system will be utilized. Clay inhibition and hole stability will be achieved with a polymer (DAP) additive; the reserve pit will be lined to address this additive. This brine water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 9.5 lbs/gal. If it is necessary to control formation fluids or pressure, the system will be weighted with the addition of brine, and if pressure conditions warrant, barite and/or calcium carbonate will be used as a weighting agent. There will be enough weighting agent on location to increase the entire system to 11.0 ppg MW.

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior DOGM approval to ensure adequate protection of fresh water aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating characteristics of a hazardous waste will not be used in drilling, testing, or completion operations.

Crescent Point Energy will visually monitor pit levels and flow from the well during drilling operations.

##### 6. Minimum Specifications for Pressure Control

A 3,000 psi BOP system or better will be used on this well. All equipment will be installed and tested per Onshore Order No. 2.

The configuration is as follows:

- Float in drillstring
- Inside BOP or safety valve
- Safety valve with same pipe threading
- Rotating Head below rotary table
- Fillup line
- 11" Annular Preventer – rated to 3,000 psi minimum
- 11" bore, 4-1/2" pipe ram – rated to 3,000 psi minimum
- 11" bore, Blind Ram – rated to 3,000 psi minimum
- 11" bore Drilling Spool with 2 side outlets (Choke side at 3" minimum & Kill side at 2" minimum)
  - 2 Kill line valves at 2" minimum – one with a check valve
  - Kill line at 2" minimum

- 2 Choke line valves at 3" minimum
- Choke line at 3" minimum
- 2 adjustable chokes on manifold
- Pressure gauge on choke manifold

#### 7. BOPE Test Criteria

A Function Test of the Ram BOP equipment shall be made every trip and annular preventer every week. All required BOP tests and/or drills shall be recorded in the Driller's Report.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to DOGM representatives upon request.

At a minimum, the Annular preventer will be tested to 50% of its rating for ten minutes. All other equipment (Rams, valves, manifold) will be tested at 3,000 psi for 10 minutes with a test plug. If rams are to be changed for any reason post drillout, the rams will be tested to 70% of surface casing internal yield.

At a minimum, the above pressure tests will be performed when such conditions exist:

- BOP's are initially installed
- Whenever a seal subject to pressure test is broken
- Following repairs to the BOPs
- Every 30 days

#### 8. Accumulator

The Accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (HCR), close both rams and annular preventer as well maintain 200 psi above nitrogen precharge of the accumulator without use of accumulator pumps. The fluid reservoir volume will be double the usable volume of the accumulator system. The fluid level will be maintained per manufacturer's specifications.

The BOP system will have two independent power sources to close both rams and annular preventer, while opening HCR. Nitrogen bottles will be one source and electric and/or air powered pumps will be the other.

The accumulator precharge will be conducted every 6 months and maintained to be within the specifications of Onshore Order No. 2

A manual locking device or automatic locking device will be installed on both ram preventers and annular preventer.

Remote controls will be readily accessible to the driller and be capable of closing all preventers. Main controls will be available to allow full functioning of all preventers and HCR.

#### 9. Testing, Logging and Coring Programs

The logging program will consist of a Gamma Ray log from TD to base of surface casing @ +/- 1100'. A cement bond log will be run from PBTD to top of cement. No drill stem testing or coring is planned for this well.

10. Anticipated Abnormal Pressures or Temperature

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous wells drilled to similar depths in this area.

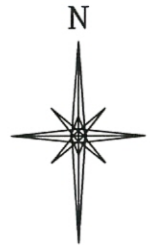
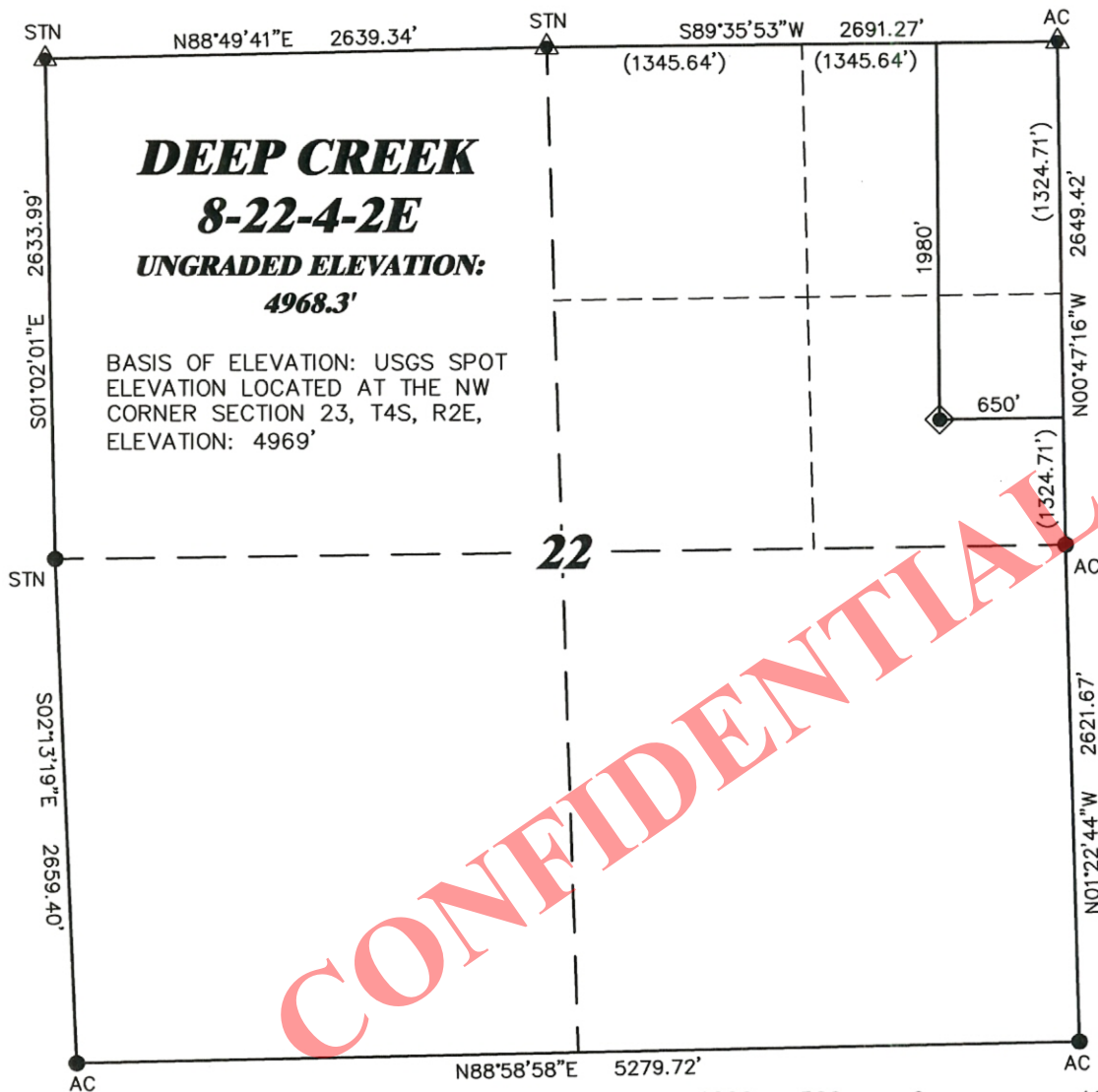
Maximum anticipated bottomhole pressure will be approximately equal to total depth in feet multiplied by a 0.52 psi/ft gradient, and a maximum anticipated surface pressure will be approximately equal to the bottomhole pressure calculated minus the pressure of a partially evacuated hole calculated at a 0.22 psi/foot gradient.

11. Anticipated Starting Date and Duration of Operations

It is anticipated that drilling operations will commence as soon as possible following permit approval and will take approximately seven (7) days from spud to rig release and two weeks for completions.

12. Variances Requested from Onshore Order No. 2

1. A diverter is utilized for surface air drilling, rather than a lubricated rotating head.
2. The blooie line is 45 ft from the wellbore rather than 100 ft and is not anchored down.
3. The blooie line is not equipped with an automatic igniter or continuous pilot light.
4. The compressor is located on the rig itself and not 100 ft from the wellbore.
5. The requirement for an Formation Integrity Test (FIT) or a Leak Off Test (LOT)

**R. 2 E.**SCALE 1" = 1000'  
GRID NORTH**T. 4 S.****SHL**

**LATITUDE (NAD 83)**  
 NORTH 40.123917 DEG.  
**LONGITUDE (NAD 83)**  
 WEST 109.746878 DEG.

**LATITUDE (NAD 27)**  
 NORTH 40.123954 DEG.  
**LONGITUDE (NAD 27)**  
 WEST 109.746181 DEG.

**NORTHING**

657003.59

**EASTING**

2490403.79

**DATUM**

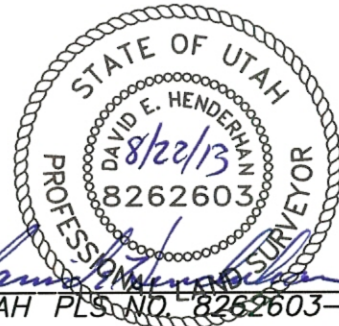
SPCS UTC (NAD 27)

**SURVEYOR'S STATEMENT**

I, DAVID E. HENDERHAN, OF GRAND JUNCTION, COLORADO, HEREBY STATE: THIS MAP WAS MADE FROM NOTES TAKEN DURING AN ACTUAL FIELD SURVEY DONE UNDER MY DIRECT SUPERVISION ON THE 9th DAY OF AUGUST, 2013 AND THAT THIS PLAT CORRECTLY SHOWS THE LOCATION OF DEEP CREEK 8-22-4-2E AS STAKED ON THE GROUND.

**LEGEND**

- ◆ WELL LOCATION
- FOUND MONUMENT
- ▲ PREVIOUSLY FOUND MONUMENT



**DRG** **RIFFIN & ASSOCIATES, INC.**  
 (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 8/21/2013 - RAS

SCALE: 1" = 1000'

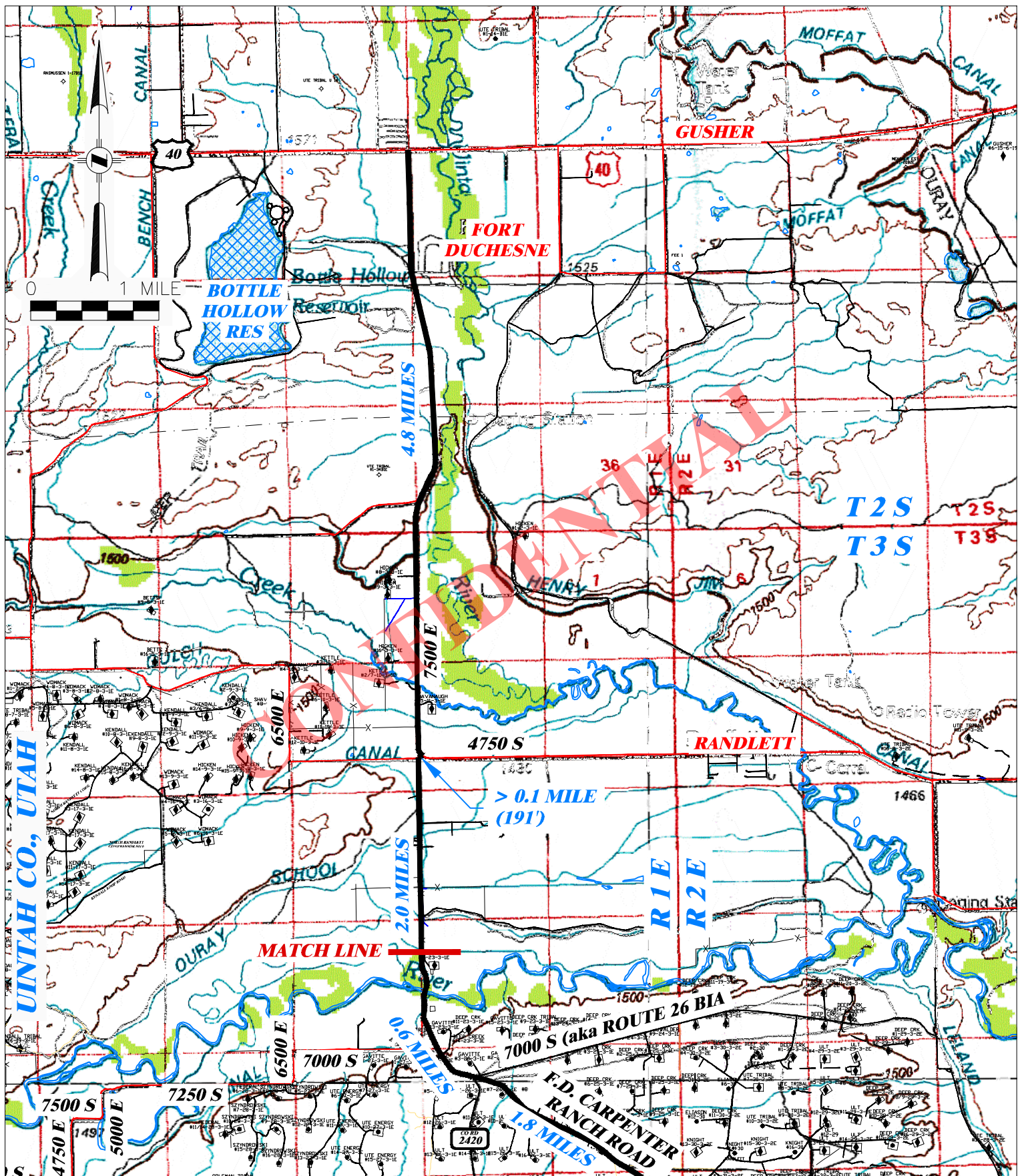
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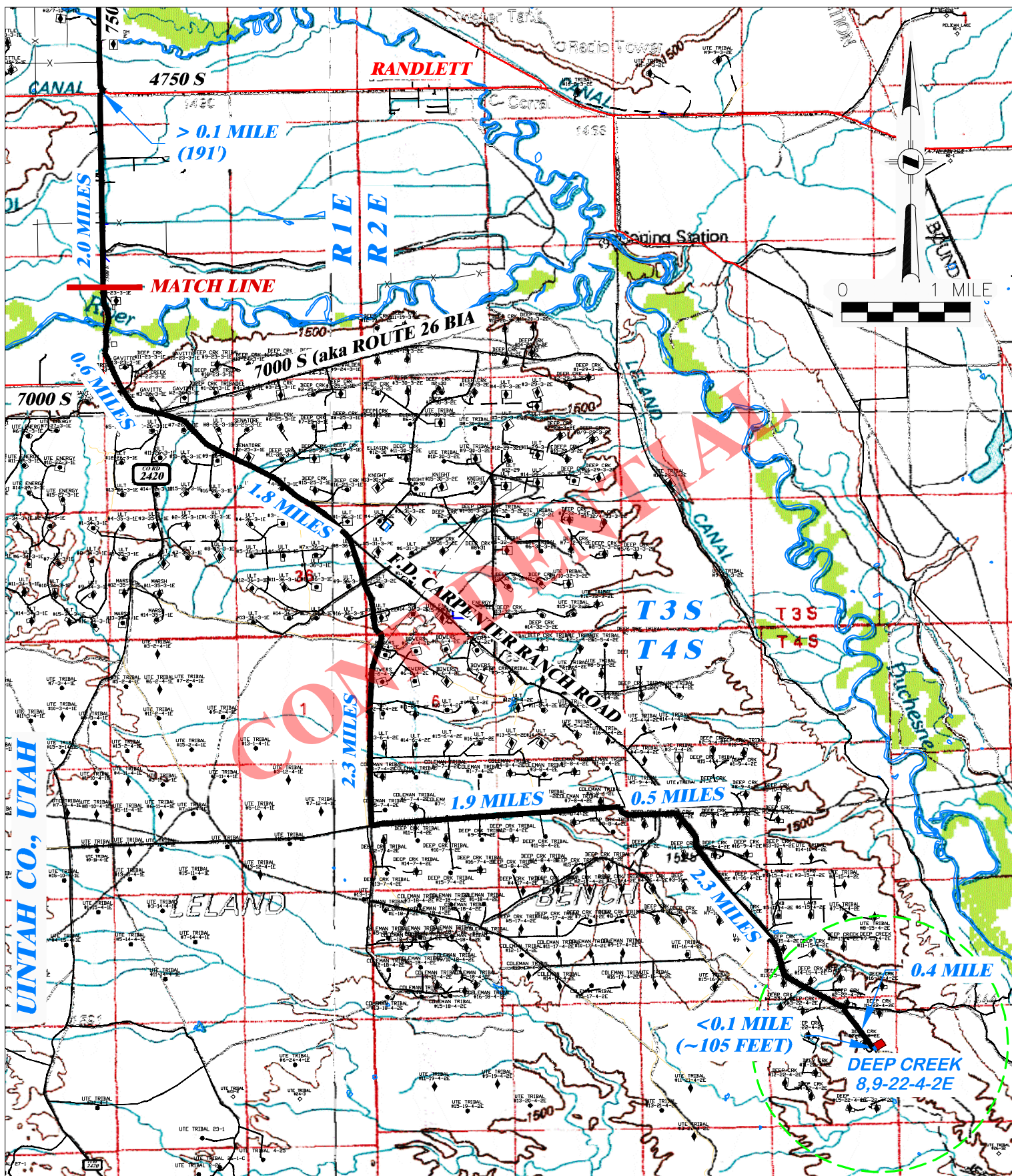
DRG JOB No. 20031

EXHIBIT 1

**PLAT OF DRILLING LOCATION IN**  
**SENE, SECTION 22, FOR**  
**CRESCENT POINT ENERGY**

**1980' F/NL, & 650' F/EL, SECTION 22,**  
**T. 4 S., R. 2 E., U.S.M.,**  
**UINTAH COUNTY, UTAH**




**DRG RIFFIN & ASSOCIATES, INC.**

(307) 362-5028

1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 8/21/2013 - RAS

SCALE: 1" = 1 MILE

REVISED: N/A -

DRG JOB No. 20031

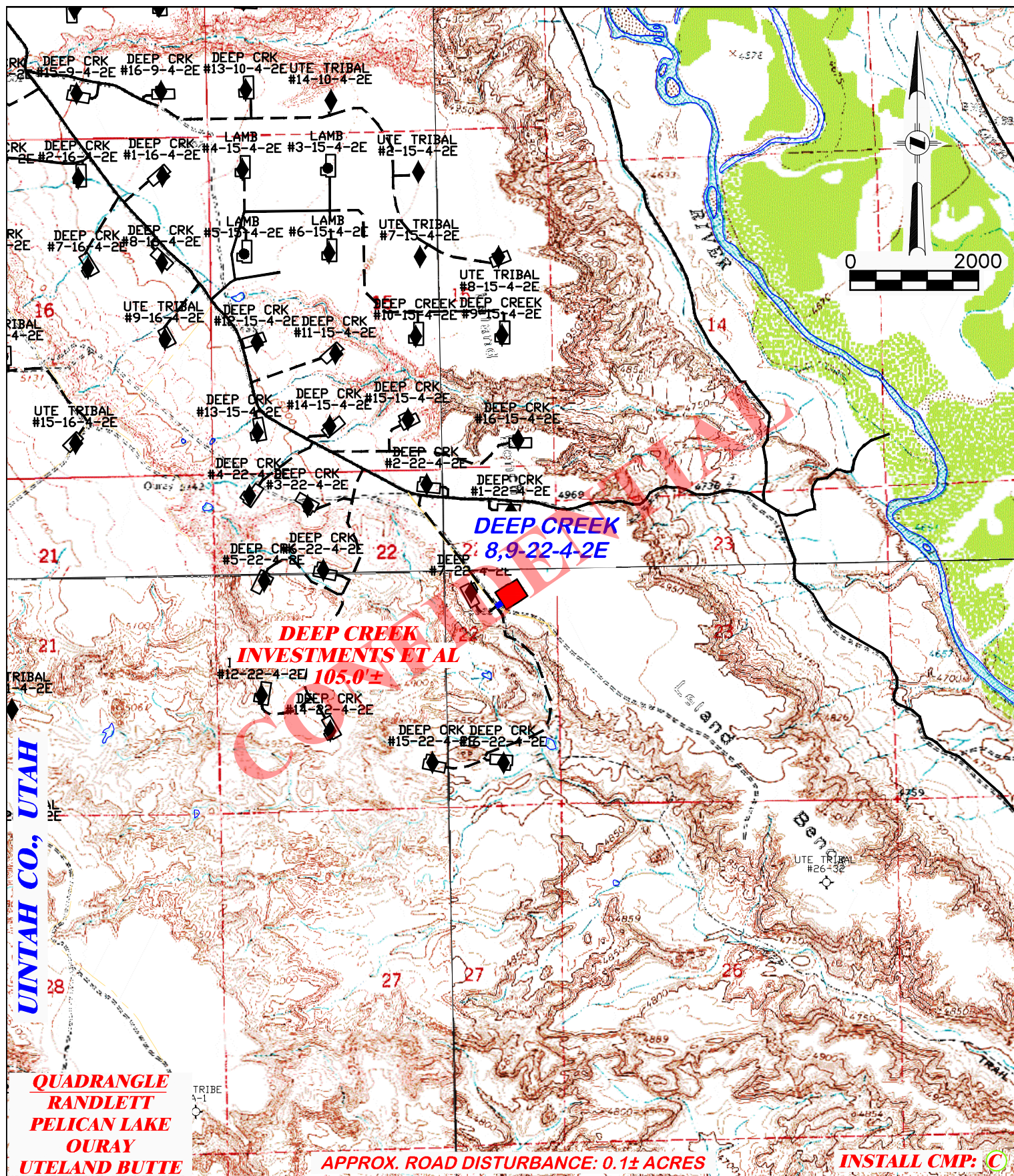
TOPO A - 2 OF 2

**PROPOSED ACCESS FOR  
CRESCENT POINT ENERGY  
DEEP CREEK 8,9-22-4-2E  
SECTION 22, T. 4 S., R. 2 E.**

PROPOSED ROAD

EXISTING ROAD

RECEIVED: October 28, 2013



**DRG RIFFIN & ASSOCIATES, INC.**

(307) 362-5028

1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 8/21/2013 - RAS

SCALE: 1" = 2000'

REVISED: N/A -

DRG JOB No. 20031

TOPO B

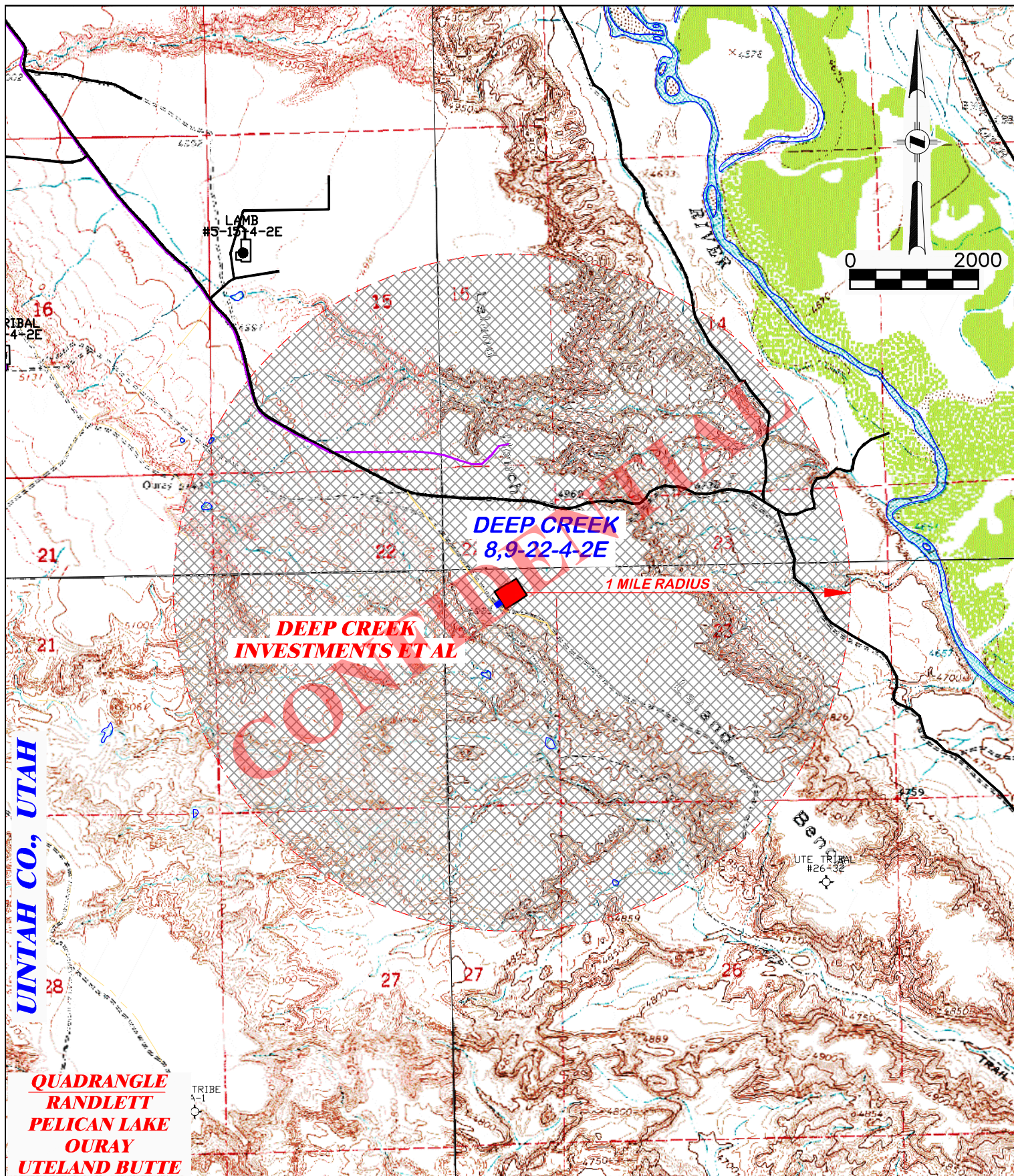
**PROPOSED ROAD FOR  
CRESCENT POINT ENERGY  
DEEP CREEK 8,9-22-4-2E  
SECTION 22, T.4 S., R.2 E.**

TOTAL PROPOSED LENGTH: 105.0'±

PROPOSED ROAD

EXISTING ROAD

RECEIVED: October 28, 2013



<b>DRG</b> <b>RIFFIN &amp; ASSOCIATES, INC.</b> (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901	
DRAWN: 8/21/2013 - RAS	SCALE: 1" = 2000'
REVISED: N/A -	DRG JOB No. 20031
TOPO C	

PROPOSED ROAD ——— EXISTING ROAD ———

RECEIVED: October 28, 2013

RECEIVED: October 28, 2013

**MEMORANDUM of SURFACE USE AGREEMENT and GRANT OF EASEMENTS**

David Eckelberger is Landman for Ute Energy LLC and Ute Energy Upstream Holdings LLC, authorized to do business in Utah (hereinafter referred to as "Ute Energy"). Ute Energy owns, operates and manages oil and gas interests in Uintah and Duchesne Counties, Utah.

WHEREAS, that certain Surface Use Agreement and Grant of Easements ("Agreement") dated effective June 2<sup>nd</sup>, 2011 has been entered into by and between Deep Creek Investments, whose address is c/o Lee M. Smith, General Partner, 2400 Sunnyside, Salt Lake City, Utah 84108 ("Owner") and Ute Energy, whose address is 1875 Lawrence Street, Suite 200, Denver, CO 80202 ("Operator").

WHEREAS, Owner owns the surface estate of the real property in Uintah County, Utah (the "Property"), legally described as:

**Township 4 South, Range 2 East, USM**

**Section 9: S/2, NE/4**

**Section 10: W/2W/2**

**Section 15: S/2**

**Section 16: N/2**

**Section 22: All**

Entry 2011004320  
Book 1239 Page 57 \$14.00  
16-JUN-11 09:00  
RANDY SIMMONS  
RECORDER, UTAH COUNTY, UTAH  
UTE ENERGY  
PO BOX 789 FT DUCHESNE, UT 84026  
Rec By: DEBRA ROOKS, DEPUTY

WHEREAS, for an agreed upon monetary consideration, Operator may construct the necessary well site pads for drilling, completion, re-completion, reworking, re-entry, production, maintenance and operation of wells ("Well Pads") on the Property. Ute Energy, its agents, employees, assigns, contractors and subcontractors, may enter upon and use the Well Pads for the purposes of drilling, completing, producing, maintaining, and operating Wells to produce oil, gas and associated hydrocarbons produced from the Property, including the construction and use of frac pits, tank batteries, water disposal pits, production equipment, compressor sites and other facilities used to produce and market the oil, gas and associated hydrocarbons.


WHEREAS, Operator has the right to a non-exclusive access easement ("Road Easement") on the Property for ingress and egress by Operator and its employees, contractors, sub-contractors, agents, and business invitees as needed to conduct oil and gas operations.

WHEREAS, Operator, its employees, contractors, sub-contractors, agents and business invitees has the right to a non-exclusive pipeline easement to construct, maintain, inspect, operate and repair a pipeline or pipelines, pigging facilities and related appurtenances for the transportation of oil, gas, petroleum products, water and any other substances recovered during oil and gas production.

WHEREAS, this Agreement shall run with the Property and be binding upon and inure to the benefit of the parties and their respective heirs, successors and assigns as stated in this Agreement.

THEREFORE, Operator is granted access to the surface estate and the Agreement constitutes a valid and binding surface use agreement as required under Utah Admin. Code Rule R649-3-34(7).

This Memorandum is executed this 14<sup>th</sup> day of June, 2011

  
David Eckelberger  
Landman

STATE OF COLORADO )  
COUNTY OF DENVER ) ss

The foregoing instrument was acknowledged before me by David Eckelberger, Landman for Ute Energy LLC and Ute Energy Upstream Holdings LLC this 14<sup>th</sup> day of June, 2011.

Notary Seal:

  
Notary Public

My Commission expires:

September 15, 2014  
Date



My Comm. Expires September 15, 2014

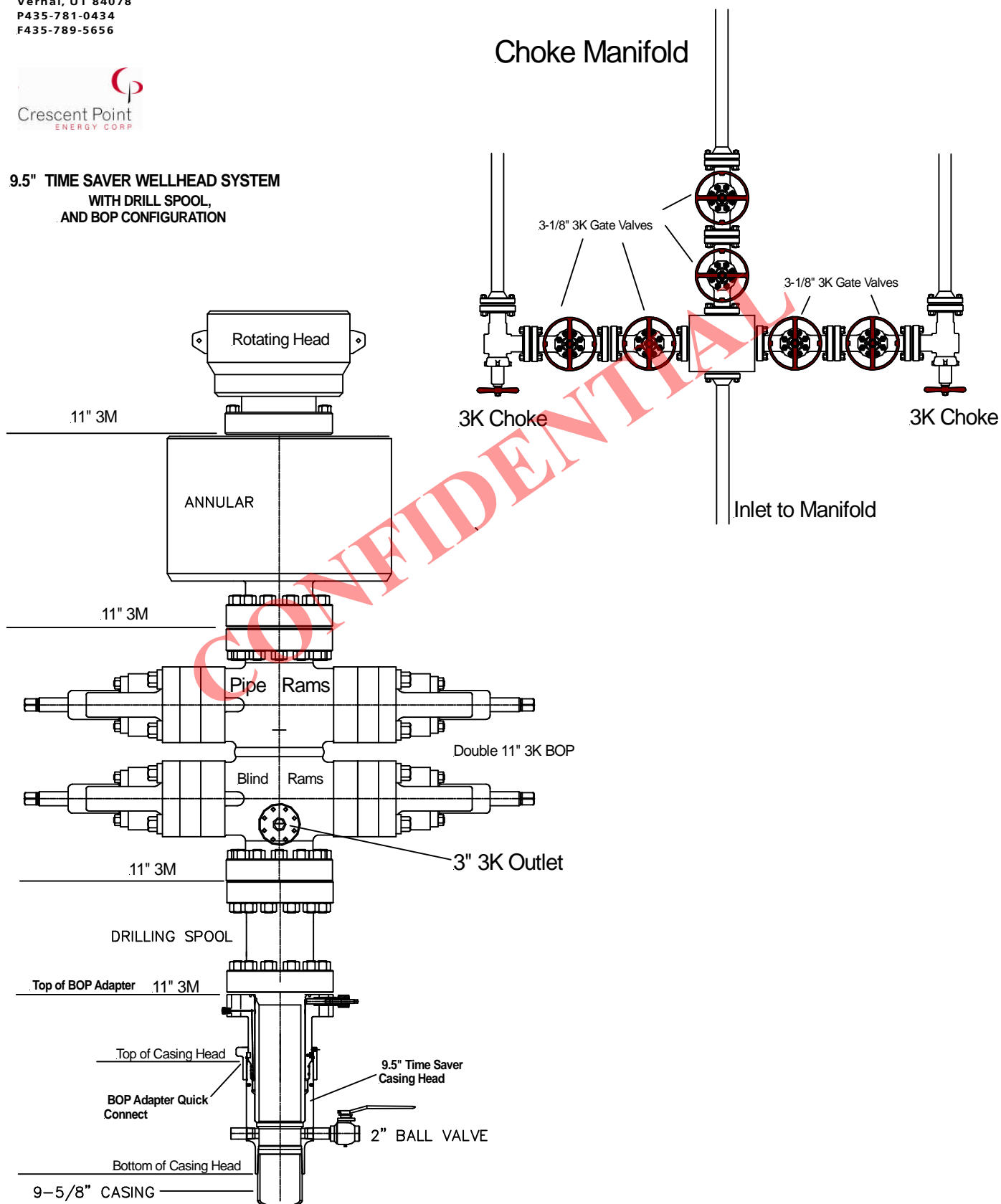


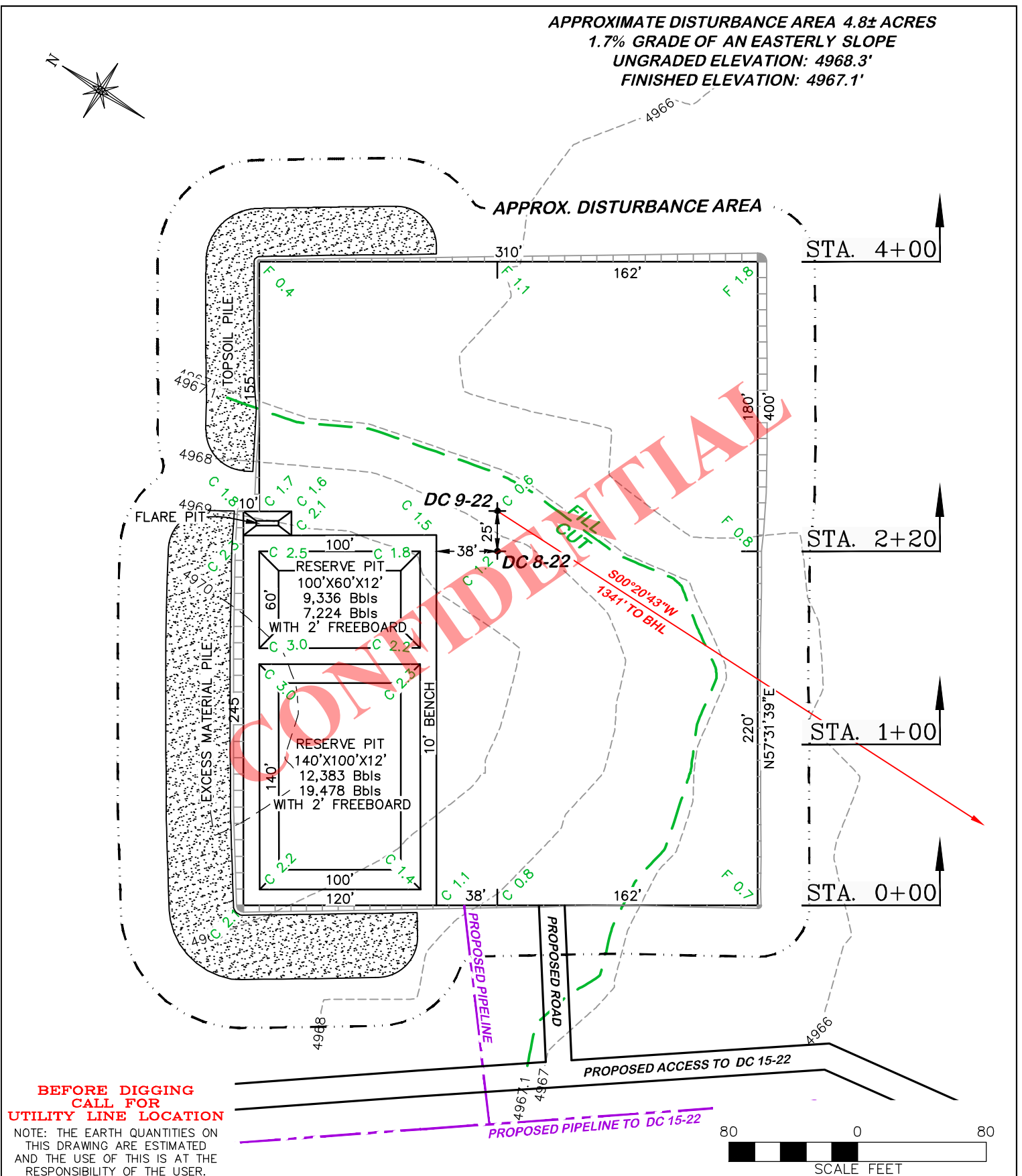
519 E. 300 S.  
Vernal, UT 84078  
P435-781-0434  
F435-789-5656

Oct, 18, 2013



**9.5" TIME SAVER WELLHEAD SYSTEM  
WITH DRILL SPOOL,  
AND BOP CONFIGURATION**





**DRG** **RIFFIN & ASSOCIATES, INC.**  
 (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 8/21/2013 - RAS

SCALE: 1" = 80'

REVISED: N/A -

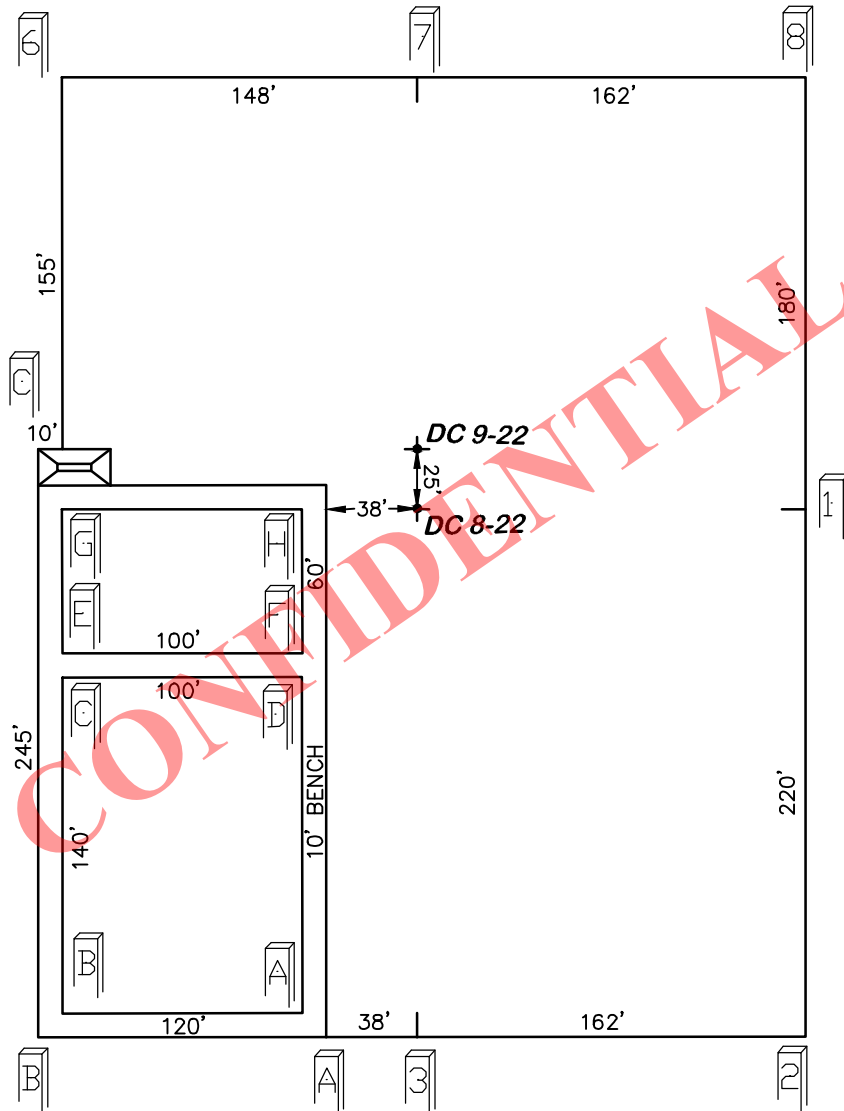
DRG JOB No. 20031

FIGURE 1

**CRESCENT POINT ENERGY**  
**DEEP CREEK 8,9-22-4-2E**  
**SECTION 22, T. 4 S., R. 2 E.**

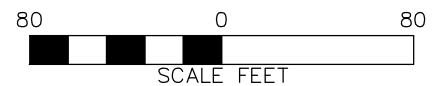
UNGRADED ELEVATION: 4968.3'  
 FINISHED ELEVATION: 4967.1'

RECEIVED: October 28, 2013



**BEFORE DIGGING  
CALL FOR  
UTILITY LINE LOCATION**

NOTE: THE EARTH QUANTITIES ON  
THIS DRAWING ARE ESTIMATED  
AND THE USE OF THIS IS AT THE  
RESPONSIBILITY OF THE USER.



**DRG** **RIFFIN & ASSOCIATES, INC.**  
(307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

**DRAWN: 8/21/2013 - RAS**

**SCALE: 1" = 80'**

**REVISED: N/A - .**

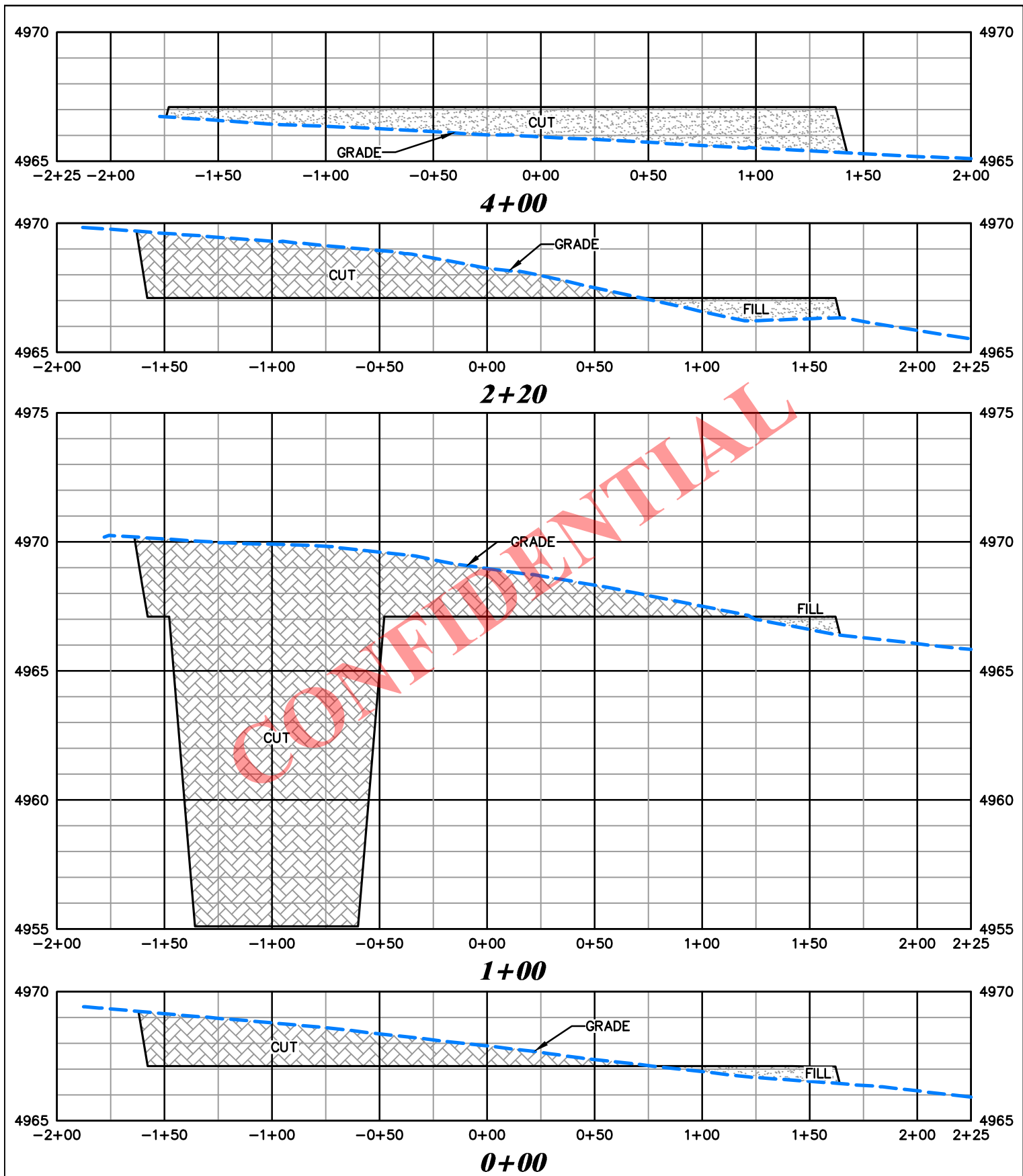
**DRG JOB No. 20031**

**FIGURE 1A**

**PAD LAYOUT  
CRESCENT POINT ENERGY  
DEEP CREEK 8,9-22-4-2E  
SECTION 22, T. 4 S., R. 2 E.**

**UNGRADED ELEVATION: 4968.3'  
FINISHED ELEVATION: 4967.1'**

**RECEIVED:** October 28, 2013



(307) 362-5028

**RIFFIN & ASSOCIATES, INC.**  
 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 8/21/2013 - RAS

SCALE: HORZ 1" = 60' VERT 1" = 5'

REVISED: N/A -

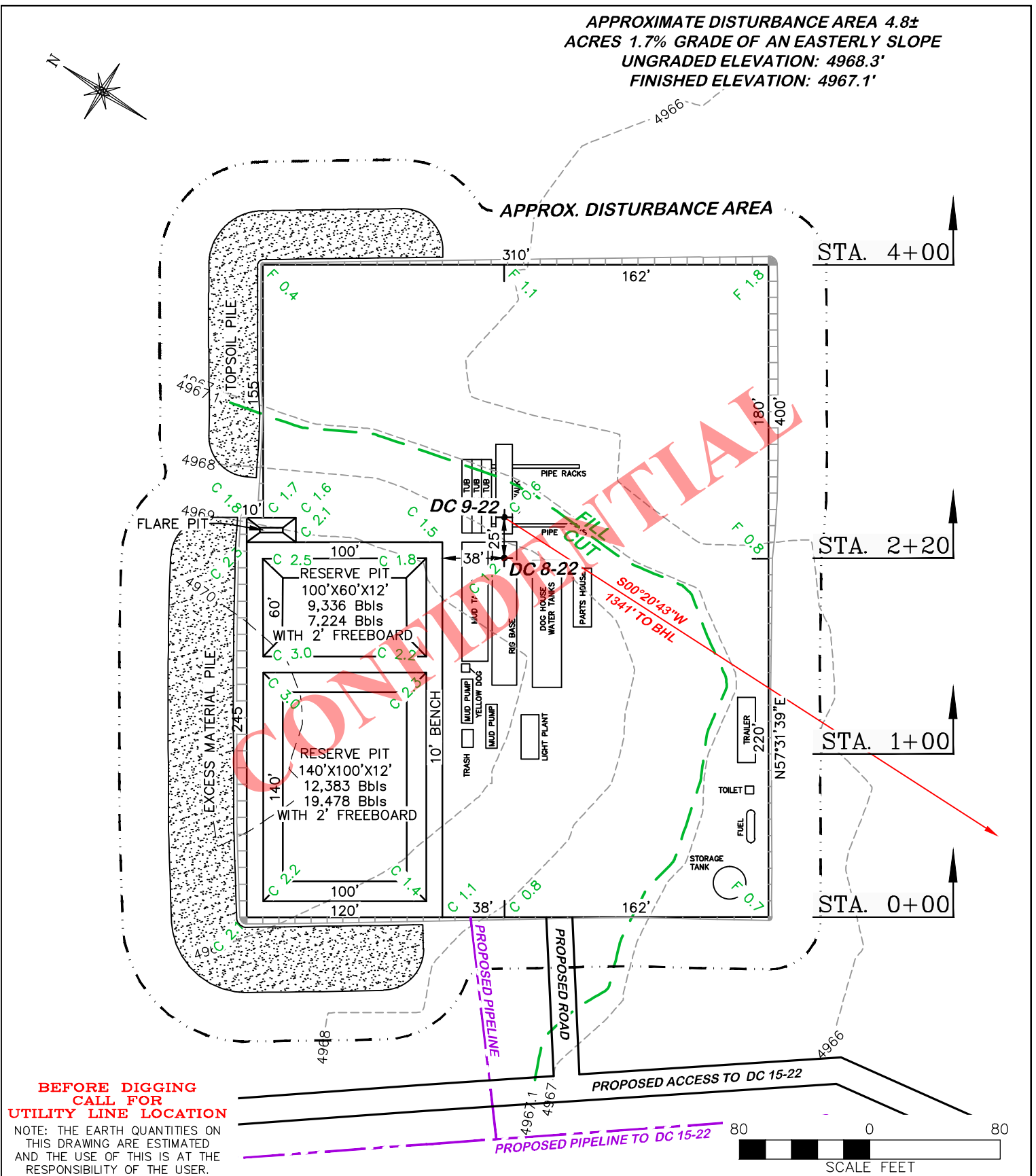
DRG JOB No. 20031

FIGURE 2

**CRESCENT POINT ENERGY**  
**DEEP CREEK 8,9-22-4-2E**  
**SECTION 22, T. 4 S., R. 2 E.**

 UNGRADED ELEVATION: 4968.3'  
 FINISHED ELEVATION: 4967.1'

RECEIVED: October 28, 2013



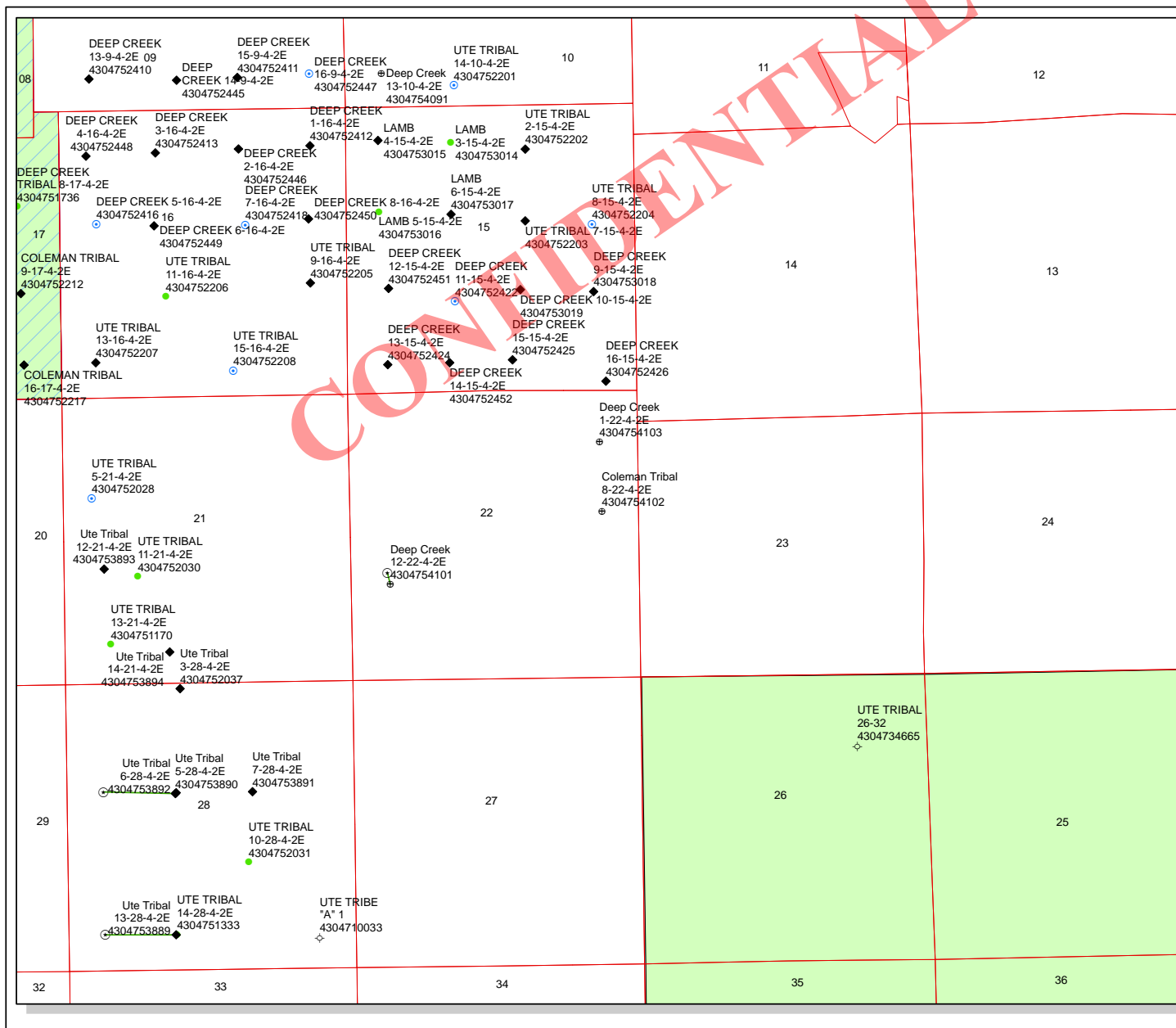
**DRG** RIFFIN & ASSOCIATES, INC.  
(307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

**CRESCENT POINT ENERGY  
DEEP CREEK 8,9-22-4-2E  
SECTION 22, T. 4 S., R. 2 E.**

**ESTIMATED EARTHWORK**

		ITEM	CUT	FILL	TOPSOIL	EXCESS
DRAWN: 8/21/2013 - RAS	SCALE: 1" = 80'	PAD	4,329 CY	1,982 CY	2,347 CY	0 CY
REVISED: N/A -	DRG JOB No. 20031	PIT	7,011 CY			7,011 CY
	FIGURE 3	TOTALS	11,340 CY	1,982 CY	2,347 CY	7,011 CY

RECEIVED: October 28, 2013



API Number: 4304754102

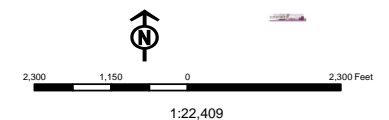
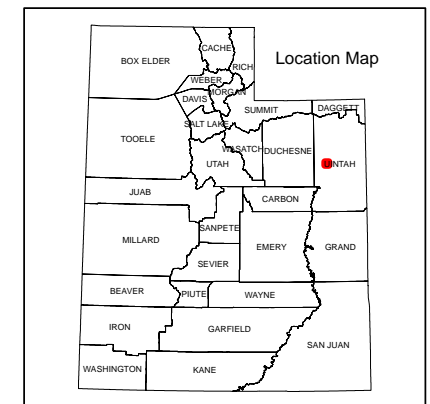
Well Name: Coleman Tribal 8-22-4-2E

Township: T04.0S Range: R02.0E Section: 22 Meridian: U

Operator: CRESCENT POINT ENERGY U.S. CORP

Map Prepared: 11/1/2013  
Map Produced by Diana Mason

Wells Query		Units	
Status			
APD - Aproved Permit	◆	ACTIVE	ACTIVE
DRL - Spuded (Drilling Commenced)	●	EXPLORATORY	EXPLORATORY
GW - Gas Injection	★	GAS STORAGE	GAS STORAGE
GS - Gas Storage	★	NF PP OIL	NF PP OIL
LOC - New Location	●	NF SECONDARY	NF SECONDARY
OPS - Operation Suspended	★	PI OIL	PI OIL
PA - Plugged Abandoned	★	PP GAS	PP GAS
PGW - Producing Gas Well	★	PP GEOTHERML	PP GEOTHERML
POW - Producing Oil Well	★	PP OIL	PP OIL
SGW - Shut-in Gas Well	★	SECONDARY	SECONDARY
SOW - Shut-in Oil Well	★	TERMINATED	TERMINATED
TA - Temp. Abandoned	●		
TW - Test Well	○		
WDW - Water Disposal	★		
WW - Water Injection Well	★		
WSW - Water Supply Well	●		



## BOPE REVIEW

CRESCENT POINT ENERGY U.S. CORP Deep Creek 8-22-4-2E 43047541020000

Well Name	CRESCENT POINT ENERGY U.S. CORP Deep Creek 8-22-4-2E 430475			
String	COND	SURF	PROD	
Casing Size(in)	16.000	8.625	5.500	
Setting Depth (TVD)	40	1000	7278	
Previous Shoe Setting Depth (TVD)	0	40	1000	
Max Mud Weight (ppg)	8.3	8.3	10.0	
BOPE Proposed (psi)	0	500	3000	
Casing Internal Yield (psi)	1000	2950	7740	
Operators Max Anticipated Pressure (psi)	3784		10.0	

Calculations	COND String	16.000	"
Max BHP (psi)	.052*Setting Depth*MW=	17	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	12	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	8	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	8	NO
Required Casing/BOPE Test Pressure=		40	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

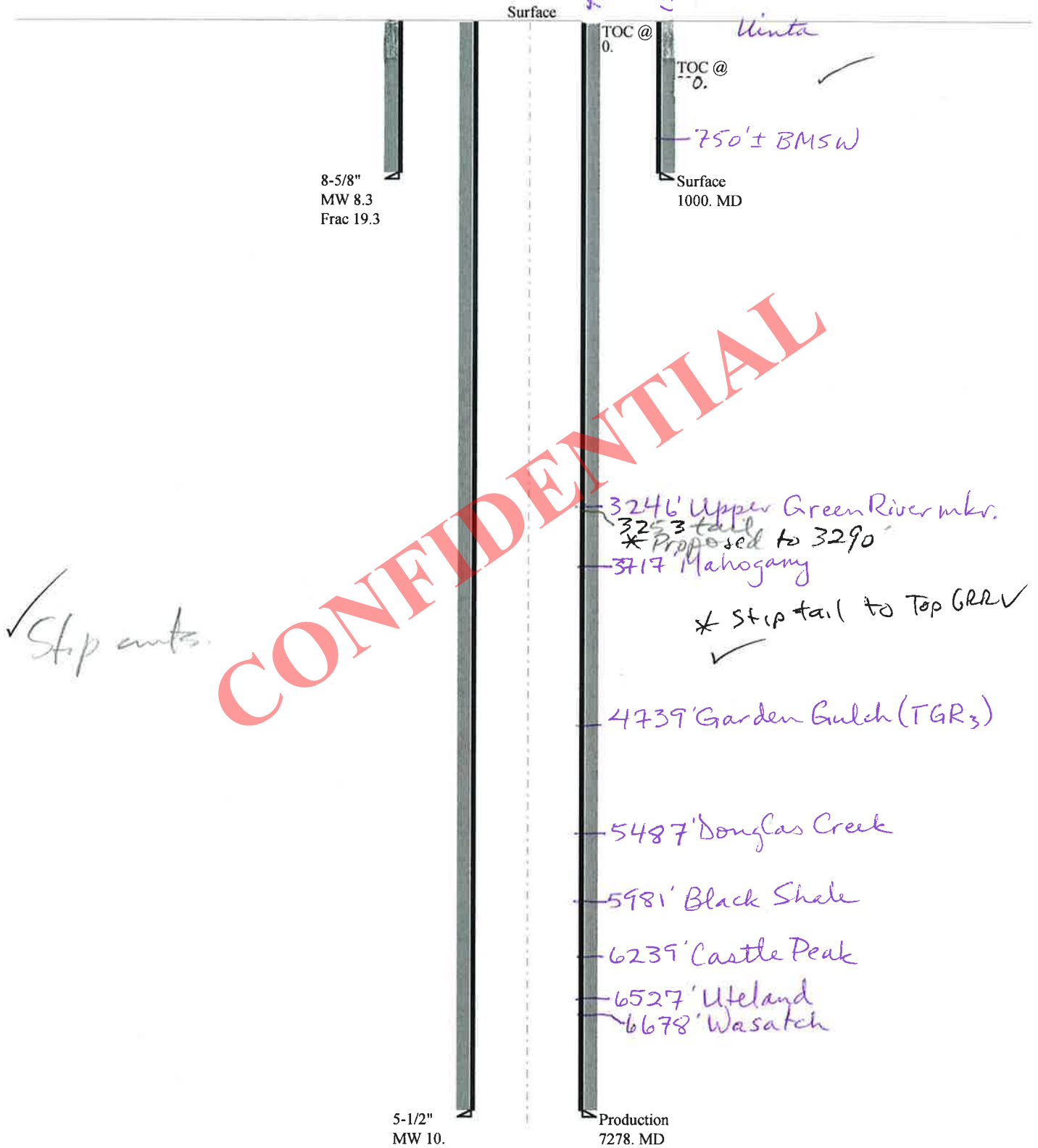
Calculations	SURF String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	432	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	312	YES air/mist
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	212	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	221	NO OK
Required Casing/BOPE Test Pressure=		1000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		40	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	3785	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2912	YES 3M BOPE & annular, rotating head, blind ram,
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2184	YES pipe rams, kill & choke lines
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2404	NO OK
Required Casing/BOPE Test Pressure=		3000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1000	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

# 43047541020000 Deep Creek 8-22-4-2E

## Casing Schematic



Well name:	<b>43047541020000 Deep Creek 8-22-4-2E</b>	
Operator:	<b>CRESCENT POINT ENERGY U.S. CORP</b>	
String type:	Surface	Project ID: 43-047-54102
Location:	UINTAH COUNTY	

**Design parameters:****Collapse**

Mud weight: 8.300 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 88 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

**Burst:**

Design factor 1.00

Cement top: Surface

**Burst**

Max anticipated surface pressure: 880 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 1,000 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

**Non-directional string.****Re subsequent strings:**

Next setting depth: 7,278 ft  
Next mud weight: 10.000 ppg  
Next setting BHP: 3,781 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 1,000 ft  
Injection pressure: 1,000 psi

Tension is based on buoyed weight.  
Neutral point: 875 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1000	8.625	24.00	J-55	ST&C	1000	1000	7.972	5147
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	431	1370	3.178	1000	2950	2.95	21	244	11.62 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: March 31, 2014  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>43047541020000 Deep Creek 8-22-4-2E</b>	
Operator:	<b>CRESCENT POINT ENERGY U.S. CORP</b>	
String type:	Production	Project ID: 43-047-54102
Location:	UINTAH COUNTY	

**Design parameters:****Collapse**

Mud weight: 10.000 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 176 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

**Burst:**

Design factor 1.00

Cement top: Surface

**Burst**

Max anticipated surface pressure: 2,180 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 3,781 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

**Non-directional string.**

Tension is based on buoyed weight.  
Neutral point: 6,174 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	7278	5.5	17.00	E-80	LT&C	7278	7278	4.767	240174
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3781	6290	1.664	3781	7740	2.05	105	320	3.05 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: March 31, 2014  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 7278 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

**Operator** CRESCENT POINT ENERGY U.S. CORP  
**Well Name** Deep Creek 8-22-4-2E  
**API Number** 43047541020000      **APD No** 8887      **Field/Unit** UNDESIGNATED  
**Location:** 1/4,1/4SENE      **Sec** 22      **Tw** 4.0S      **Rng** 2.0E      1980 FNL 650 FEL  
**GPS Coord (UTM)** 606773 4442191      **Surface Owner** Lee Smith

### **Participants**

Jim Burns - Starpoint, Lori Browne, Brian Foote, Mahe Taufu - Crescent Point; Mark Hecksel-DRGriffin; Allan Smith - landowner

### **Regional/Local Setting & Topography**

This location is in the Deep Creek area off the Carpenter Ranch road on the eastern extremes of the Leland Bench. Historically this land has been used for winter/ spring grazing of sheep and cattle. The region is not cultivated and is vegetated with naturally occurring native plants providing sparse habitat for some wildlife species. The proposed pad and section has a fairly flat topography as it sits on the top of the bench edge. The Duchesne River is about 1 mile down the cliff edge east and the Deep Creek North. The region has seen increasing development for petroleum extraction.

### **Surface Use Plan**

**Current Surface Use**  
Grazing

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.4	<b>Width</b> 150 <b>Length</b> 350	Onsite	UNTA

**Ancillary Facilities**

### **Waste Management Plan Adequate?**

### **Environmental Parameters**

**Affected Floodplains and/or Wetlands** N  
n

#### **Flora / Fauna**

High desert shrubland ecosystem. Expected vegetation consists of black sagebrush, shadscale, Atriplex spp., mustard spp, rabbit brush, horsebrush, broom snakeweed, Opuntia spp and spring annuals.

Dominant vegetation;

Gardiner's atriplex

Wildlife;

Adjacent habitat contains forbs that may be suitable browse for deer, antelope, prairie dogs or rabbits, though none were observed.

#### **Soil Type and Characteristics**

light colored clayey sediments with gravels and cobbles

**Erosion Issues** N

n

**Sedimentation Issues** N**Site Stability Issues** N**Drainage Diversion Required?** N**Berm Required?** Y**Erosion Sedimentation Control Required?** N**Paleo Survey Run?** N **Paleo Potential Observed?** N **Cultural Survey Run?** N **Cultural Resources?** N**Reserve Pit****Site-Specific Factors****Site Ranking**

<b>Distance to Groundwater (feet)</b>	100 to 200	5
<b>Distance to Surface Water (feet)</b>	100 to 200	15
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>		20
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>		0
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
<b>Final Score</b>		55

1 Sensitivity Level

**Characteristics / Requirements**

A 60' x 100' x 12' deep reserve pit is planned in an area of cut on the northwest side of the location. A pit liner is required. Operator commonly uses a 16 mil liner with a felt underliner. Pit should be fenced to prevent entry by deer, other wildlife and domestic animals. A minimum freeboard of two feet shall be maintained at all times. Pit to be closed within one year after drilling activities are complete.

**Closed Loop Mud Required?** N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** N**Other Observations / Comments**Chris Jensen  
Evaluator1/29/2014  
Date / Time

# Application for Permit to Drill

## Statement of Basis

### Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
8887	43047541020000	LOCKED	OW	P	No
Operator	CRESCENT POINT ENERGY U.S. CORP		Surface Owner-APD	Lee Smith	
Well Name	Deep Creek 8-22-4-2E		Unit		
Field	UNDESIGNATED		Type of Work	DRILL	
Location	SENE 22 4S 2E U 1980 FNL 650 FEL GPS Coord (UTM) 606772E 4442192N				

#### Geologic Statement of Basis

Crescent Point proposes to set 40' of conductor and 1,000' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 750'. A search of Division of Water Rights records shows 1 water well within a 10,000 foot radius of the center of Section 22. This well is located in the SE/4 of Section 14. Depth is listed as 966 feet. Listed uses are irrigation, domestic and stock watering. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect ground water in this area.

Brad Hill  
APD Evaluator

2/13/2014  
Date / Time

#### Surface Statement of Basis

Location is proposed in a good location although outside the spacing window. Well is to be drilled directionally. Access road enters the pad from the East. The landowner or its representative was in attendance for the pre-site inspection.

The soil type and topography at present do not combine to pose a significant threat to erosion or sediment/ pollution transport in these regional climate conditions.

Usual construction standards of the Operator appear to be adequate for the proposed purpose as submitted. Reserve pit is in an area of cut.

I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. A riparian area (Deep Creek) can be found North of the site. The location was not previously surveyed for cultural and paleontological resources ( as the operator saw fit). I have advised the operator take all measures necessary to comply with ESA and MBTA and that actions insure no disturbance to species that may have not been seen during onsite visit.

The location should be bermed to prevent fluids from entering or leaving the confines of the pad. Fencing around the reserve pit will be necessary to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit. Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.

Chris Jensen  
Onsite Evaluator

1/29/2014  
Date / Time

#### Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from entering or leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.

CONFIDENTIAL

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/28/2013

API NO. ASSIGNED: 43047541020000

WELL NAME: Deep Creek 8-22-4-2E

OPERATOR: CRESCENT POINT ENERGY U.S. CORP (N3935)

PHONE NUMBER: 303 382-6787

CONTACT: Lauren MacMillan

PROPOSED LOCATION: SENE 22 040S 020E

Permit Tech Review: ☒

SURFACE: 1980 FNL 0650 FEL

Engineering Review: ☒

BOTTOM: 1980 FNL 0650 FEL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 40.12327

LONGITUDE: -109.74691

UTM SURF EASTINGS: 606772.00

NORTHINGS: 4442192.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

- ☒ PLAT
- ☒ Bond: STATE - LPM9080271
- ☐ Potash
- ☐ Oil Shale 190-5
- ☐ Oil Shale 190-3
- ☐ Oil Shale 190-13
- ☒ Water Permit: 437478
- ☐ RDCC Review:
- ☒ Fee Surface Agreement
- ☐ Intent to Commingle

Commingle Approved

## LOCATION AND SITING:

- ☐ R649-2-3.
- Unit:
- ☐ R649-3-2. General
- ☐ R649-3-3. Exception
- ☒ Drilling Unit
- Board Cause No: R649-3-2
- Effective Date:
- Siting:
- ☐ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill  
12 - Cement Volume (3) - ddoucet  
23 - Spacing - dmason  
25 - Surface Casing - hmacdonald

RECEIVED: April 02, 2014



GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** Deep Creek 8-22-4-2E

**API Well Number:** 43047541020000

**Lease Number:** Fee

**Surface Owner:** FEE (PRIVATE)

**Approval Date:** 4/2/2014

### Issued to:

CRESCENT POINT ENERGY U.S. CORP, 555 17th Street, Suite 750, Denver, CO 80202

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### Conditions of Approval:

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to surface and tail brought to above the top of the Green River Formation.

Surface casing shall be cemented to the surface.

**Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
  - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

**Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion

- Well Completion Report (Form 8) - due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "J. Rogers", written over a faint circular stamp.

For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> CRESCENT POINT ENERGY U.S. CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 555 17th Street, Suite 750 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> Deep Creek 8-22-4-2E
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1980 FNL 0650 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 22 Township: 04.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047541020000
<b>PHONE NUMBER:</b> 720 880-3621 Ext		<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 8/12/2014	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Crescent Point Energy US Corp spud the Deep Creek 8-22-4-2E at 10:30 AM on 8/12/14 with Pete Martin Drilling Rig #11.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> August 14, 2014		
<b>NAME (PLEASE PRINT)</b> Lauren MacMillan	<b>PHONE NUMBER</b> 303 382-6787	<b>TITLE</b> Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/14/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> CRESCENT POINT ENERGY U.S. CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 555 17th Street, Suite 750, Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> Deep Creek 8-22-4-2E
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11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>8/15/2014</b>	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> ACIDIZE</div> <div style="width: 33%;"><input type="checkbox"/> ALTER CASING</div> <div style="width: 33%;"><input type="checkbox"/> CASING REPAIR</div> <div style="width: 33%;"><input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TUBING</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL NAME</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL STATUS</div> <div style="width: 33%;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</div> <div style="width: 33%;"><input type="checkbox"/> CONVERT WELL TYPE</div> <div style="width: 33%;"><input type="checkbox"/> DEEPEN</div> <div style="width: 33%;"><input type="checkbox"/> FRACTURE TREAT</div> <div style="width: 33%;"><input type="checkbox"/> NEW CONSTRUCTION</div> <div style="width: 33%;"><input type="checkbox"/> OPERATOR CHANGE</div> <div style="width: 33%;"><input type="checkbox"/> PLUG AND ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> PLUG BACK</div> <div style="width: 33%;"><input type="checkbox"/> PRODUCTION START OR RESUME</div> <div style="width: 33%;"><input type="checkbox"/> RECLAMATION OF WELL SITE</div> <div style="width: 33%;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</div> <div style="width: 33%;"><input type="checkbox"/> TEMPORARY ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> TUBING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> VENT OR FLARE</div> <div style="width: 33%;"><input type="checkbox"/> WATER DISPOSAL</div> <div style="width: 33%;"><input type="checkbox"/> WATER SHUTOFF</div> <div style="width: 33%;"><input type="checkbox"/> SI TA STATUS EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</div> <div style="width: 33%;"><input type="checkbox"/> OTHER</div> </div>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	
<input type="checkbox"/> <b>OTHER:</b> <span style="border: 1px solid black; display: inline-block; width: 150px; height: 20px; vertical-align: middle;"></span>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Crescent Point Energy respectfully requests a change to previously approved surface casing design for the Deep Creek 8-22-4-2E. Specifically, Crescent Point proposes increasing surface casing from 8-5/8" to 9-5/8" in order to be able to use a higher angle bent motor for directional control. Revised drill plan attached. Summary of relevant changes: String: Surface Hole Size: 12.25" Casing Size: 9.625" Length: 0-1000' Weight: 36 ppg Grade & Thread: J-55 STC Max MW: 8.3 ppg Cement: Class G Sacks: 492 Yield: 1.15 ft<sup>3</sup>/sk Weight: 15.8 ppg

**Approved by the**  
**August 20, 2014**  
**Oil, Gas and Mining**

**Date:** \_\_\_\_\_  
**By:** *Derek Duff*

<b>NAME (PLEASE PRINT)</b> Lauren MacMillan	<b>PHONE NUMBER</b> 303 382-6787	<b>TITLE</b> Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/14/2014	

RECEIVED: Aug. 14, 2014

Crescent Point Energy U.S. Corp

**Deep Creek 8-22-4-2E**

SE/NE of Section 22, T4S, R2E, USB&amp;M

SHL: 1980' FNL &amp; 650' FEL

Uintah County, Utah

**DRILLING PLAN**1-2. Geologic Surface Formation and Estimated Tops of Important Geologic Markers

Formation	Depth – TVD/MD
Uinta	Surface
Upper Green River Marker	3,246'
Mahogany	3,717'
Garden Gulch (TGR3)	4,739'
Douglas Creek	5,487'
Black Shale	5,981'
Castle Peak	6,239'
Uteland	6,527'
Wasatch	6,678'
TD	7,278'

3. Estimated Depths of Anticipated Water, Oil, Gas Or Minerals

Green River Formation (Oil) 3,246' – 6,678'

Wasatch Formation (Oil) 6,678' – 7,278'

Fresh water may be encountered in the Uinta Formation, but would not be expected below 350'. All usable (>10,000 PPM TDS) water and prospectively valuable minerals (as described by DOGM at onsite) encountered during drilling will be recorded by depth and adequately protected.

All water shows and water bearing geologic units will be reported to the geologic and engineering staff of the DOGM prior to running the next string of casing or before plugging orders are requested. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required. All water shows must be reported within one (1) business day after being encountered. Detected water flows shall be sampled, analyzed, and reported to the geologic and engineering staff at the DOGM. The DOGM may request additional water samples for further analysis.

The following information is requested for water shows and samples where applicable:

Location & Sample Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO <sub>3</sub> ) (mg/l)
Dissolved Bicarbonate (NaHCO <sub>3</sub> ) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO <sub>4</sub> ) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. Proposed Casing & Cementing Program*Casing Design:*

Size	Interval		Weight	Grade	Coupling	Design Factors			
	Top	Bottom				Burst	Collapse	Tension	
<b>Conductor</b> <b>16"</b> <b>Hole Size 24"</b>	0'	40'	65	H-40	STC	1,640	670	439	API
<b>Surface casing</b> <b>9-5/8"</b> <b>Hole Size 12-1/4"</b>	0'	1000'	36	J-55	STC	3,520 405 8.69	2,020 696 2.90	423,000 36,000 11.75	API Load SF
<b>Prod casing</b> <b>5-1/2"</b> <b>Hole Size 7-7/8"</b>	0'	7,278'	17	E-80	LTC	7,740 6,200 1.25	6,290 3,700 1.70	348,000 124,000 2.80	API Load SF

*Assumptions:*

1. Surface casing max anticipated surface pressure (MASP) = Frac gradient – gas gradient
2. Production casing MASP (production mode) = Pore pressure – gas gradient
3. All collapse calculations assume fully evacuated casing w/gas gradient
4. All tension calculations assume air weight

Frac gradient at surface casing shoe = 10.0 ppg  
 Pore pressure at surface casing shoe = 8.33 ppg  
 Pore pressure at prod casing shoe = 8.33 ppg  
 Gas gradient = 0.115 psi/ft

*Minimum Safety Factors:*

Burst = 1.000  
 Collapse = 1.125  
 Tension = 1.800

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of one (1) centralizer per joint on the bottom three joints.

*Cementing Design:*

Job	Fill	Description	Excess	Sacks	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
Surface casing	1000' - surface	Class G	75%	492	15.8	1.15
Prod casing Lead	3290' to Surface	Hifill Class V 3% chlorides	25% in open-hole, 0% in cased hole	159	10.5	4.31
Prod casing Tail	TD to 3290'	Class G 10% chlorides	15%	490	13.1	1.65

\*Actual volume pumped will have excess over gauge hole or caliper log if available

- Compressive strength of tail cement: 500 psi @ 7 hours

Waiting On Cement: A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out of the wiper plug, cement, or shoe. WOC time shall be recorded in the Driller's Log. Compressive strength shall be a minimum of 500 psi prior to drilling out.

The DOGM Roosevelt Field Office shall be notified, with sufficient lead time, in order to have a DOGM representative on location while running all casing strings and cementing.

The 9-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

The production casing cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A Tuned spacer will be used to prevent contamination of the lead cement by the drilling mud.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

A Form 9, "Sundry Notices and Reports on Wells" shall be filed with the DOGM within 30 days after the work is completed. This report must include the following information:

Setting of each string of casing showing the size, grade, weight of casing set, depth, amounts and type of cement used, whether cement circulated of the top of the cement behind the casing,

depth of the cementing tools used, casing method and results, and the date of the work done. Spud date will be shown on the first reports submitted.

5. Drilling Fluids Program

The Conductor section (from 0' to 40') will be drilled by Auger and final depth determined by when the black shale is encountered with a minimum depth of 40'.

The surface interval will then be drilled to  $\pm 1000'$  with air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run to the reserve pit. A variance is in request for this operation. The request can be found in Section 12 of this plan.

From  $\pm 1000'$  to TD, a brine water system will be utilized. Clay inhibition and hole stability will be achieved with a polymer (DAP) additive; the reserve pit will be lined to address this additive. This brine water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 9.5 lbs/gal. If it is necessary to control formation fluids or pressure, the system will be weighted with the addition of brine, and if pressure conditions warrant, barite and/or calcium carbonate will be used as a weighting agent. There will be enough weighting agent on location to increase the entire system to 11.0 ppg MW.

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior DOGM approval to ensure adequate protection of fresh water aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating characteristics of a hazardous waste will not be used in drilling, testing, or completion operations.

Crescent Point Energy will visually monitor pit levels and flow from the well during drilling operations.

6. Minimum Specifications for Pressure Control

A 3,000 psi BOP system or better will be used on this well. All equipment will be installed and tested per Onshore Order No. 2.

The configuration is as follows:

- Float in drillstring
- Inside BOP or safety valve
- Safety valve with same pipe threading
- Rotating Head below rotary table
- Fillup line
- 11" Annular Preventer – rated to 3,000 psi minimum
- 11" bore, 4-1/2" pipe ram – rated to 3,000 psi minimum
- 11" bore, Blind Ram – rated to 3,000 psi minimum
- 11" bore Drilling Spool with 2 side outlets (Choke side at 3" minimum & Kill side at 2" minimum)
  - 2 Kill line valves at 2" minimum – one with a check valve
  - Kill line at 2" minimum

- 2 Choke line valves at 3" minimum
- Choke line at 3" minimum
- 2 adjustable chokes on manifold
- Pressure gauge on choke manifold

#### 7. BOPE Test Criteria

A Function Test of the Ram BOP equipment shall be made every trip and annular preventer every week. All required BOP tests and/or drills shall be recorded in the Driller's Report.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to DOGM representatives upon request.

At a minimum, the Annular preventer will be tested to 50% of its rating for ten minutes. All other equipment (Rams, valves, manifold) will be tested at 3,000 psi for 10 minutes with a test plug. If rams are to be changed for any reason post drillout, the rams will be tested to 70% of surface casing internal yield.

At a minimum, the above pressure tests will be performed when such conditions exist:

- BOP's are initially installed
- Whenever a seal subject to pressure test is broken
- Following repairs to the BOPs
- Every 30 days

#### 8. Accumulator

The Accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (HCR), close both rams and annular preventer as well maintain 200 psi above nitrogen precharge of the accumulator without use of accumulator pumps. The fluid reservoir volume will be double the usable volume of the accumulator system. The fluid level will be maintained per manufacturer's specifications.

The BOP system will have two independent power sources to close both rams and annular preventer, while opening HCR. Nitrogen bottles will be one source and electric and/or air powered pumps will be the other.

The accumulator precharge will be conducted every 6 months and maintained to be within the specifications of Onshore Order No. 2

A manual locking device or automatic locking device will be installed on both ram preventers and annular preventer.

Remote controls will be readily accessible to the driller and be capable of closing all preventers. Main controls will be available to allow full functioning of all preventers and HCR.

#### 9. Testing, Logging and Coring Programs

The logging program will consist of a Gamma Ray log from TD to base of surface casing @ +/- 1100'. A cement bond log will be run from PBTD to top of cement. No drill stem testing or coring is planned for this well.

10. Anticipated Abnormal Pressures or Temperature

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous wells drilled to similar depths in this area.

Maximum anticipated bottomhole pressure will be approximately equal to total depth in feet multiplied by a 0.52 psi/ft gradient, and a maximum anticipated surface pressure will be approximately equal to the bottomhole pressure calculated minus the pressure of a partially evacuated hole calculated at a 0.22 psi/foot gradient.

11. Anticipated Starting Date and Duration of Operations

It is anticipated that drilling operations will commence as soon as possible following permit approval and will take approximately seven (7) days from spud to rig release and two weeks for completions.

12. Variances Requested from Onshore Order No. 2

1. A diverter is utilized for surface air drilling, rather than a lubricated rotating head.
2. The blooie line is 45 ft from the wellbore rather than 100 ft and is not anchored down.
3. The blooie line is not equipped with an automatic igniter or continuous pilot light.
4. The compressor is located on the rig itself and not 100 ft from the wellbore.
5. The requirement for an Formation Integrity Test (FIT) or a Leak Off Test (LOT)

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<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> CRESCENT POINT ENERGY U.S. CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 555 17th Street, Suite 750 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> Deep Creek 8-22-4-2E
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Crescent Point reports first production for the Deep Creek 8-22-4-2E on 10/12/2014.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> October 14, 2014		
<b>NAME (PLEASE PRINT)</b> Lauren MacMillan	<b>PHONE NUMBER</b> 303 382-6787	<b>TITLE</b> Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/13/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  Attached please find the drill report for Crescent Point Energy's Deep Creek 8-22-4-2E, encompassing all drilling activities to date (8/12/14 - 9/14/14).		
<b>NAME (PLEASE PRINT)</b> Lauren MacMillan		<b>PHONE NUMBER</b> 303 382-6787
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Specialist
<b>DATE</b> 10/13/2014		<div style="text-align: right;"> <b>Accepted by the          Utah Division of          Oil, Gas and Mining</b>  <b>FOR RECORD ONLY</b>          October 17, 2014       </div>

Report for: 8/12/2014  
Report #: 1.0, DFS: -26.50  
Depth Progress:

UWI/API 43-047-54102		Surface Legal Location 8-22-4-2		License # FEE	
Spud Date 8/12/2014 09:00		Date TD Reached (wellbore) 9/13/2014 06:30		Rig Release Date 9/14/2014 17:00	
				Ground Elevation (ft) 4,967.00	
				Orig KB Elev (ft) 4,979.00	
Completion Type					
Weather		Temperature (°F)		Road Condition	
				Hole Condition	
Operation At 6am		Operation Next 24hrs			
24 Hr Summary					
MIRU Pete Martin Rig #15, spud well @ 09:00 8/12/2014 drill 52' KB 24" conductor hole, run & cement 52' KB 16" conductor pipe, 5 BBLs cement back to surf					

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com

<depth>ftKB, <dtm>						
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

BHA #<stringno>, <des>				
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in <sup>2</sup> )
Nozzles (1/32")		String Length (ft)	Max Nominal OD (in)	
String Components				
Comment				

[illegible]

Last Casing String Conductor, 52.0ftKB	
<b>Daily Contacts</b>	
Job Contact	Mobile

<b>Capstar, 316</b>	
Contractor <b>Capstar</b>	Rig Number <b>316</b>
Rig Supervisor <b>Eric Thompson</b>	Phone Mobile <b>307-259-8473</b>

Pump #	Pwr (hp)	Rod Dia (in)
1	750.0	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s... Eff (%)

Pump #	Pwr (hp)	Rod Dia (in)
2	750.0	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s... Eff (%)

Des	Field Est (Cost/unit)	Consumed

Time	Type	Des

Wellbore Name	KO MD (ftKB)
Original Hole	

Report for: 8/14/2014  
Report #: 2.0, DFS: -24.50  
Depth Progress:

UWI/API 43-047-54102		Surface Legal Location 8-22-4-2		License # FEE	
Spud Date 8/12/2014 09:00		Date TD Reached (wellbore) 9/13/2014 06:30		Rig Release Date 9/14/2014 17:00	
				Ground Elevation (ft) 4,967.00	
				Orig KB Elev (ft) 4,979.00	
Completion Type					
Weather		Temperature (°F)		Road Condition	
				Hole Condition	
Operation At 6am		Operation Next 24hrs			
24 Hr Summary					
MIRU Pro Petro Rig #10, Drill 1044' KB 12 1/4" Surface hole, R/U & run 1025' KB 9 5/8" 36# surface CSG, Cement W/550 sks 15.8 ppg 1.15 cuft/sk yield cement, 40 bbls good cement T/Surf, cement stayed @ Surf, R/D cements					

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com

<depth>ftKB, <dtm>						
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)		Mud Lost to Hole (bbl)		Reserve Mud Volume (bbl)		Active Mud Volume (bbl)

BHA #<stringno>, <des>				
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)
Nozzles (1/32")		String Length (ft)	Max Nominal OD (in)	
String Components				
Comment				

[illegible]

Last Casing String	
Surface, 1,025.0ftKB	

Job Contact	Mobile

<b>Capstar, 316</b>	
Contractor Capstar	Rig Number 316
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473

Pump #	Pwr (hp)	Rod Dia (in)
1	750.0	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...

P (psi)	Slow Spd	Strokes (s...	Eff (%)
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Pump #	Pwr (hp)	Rod Dia (in)
2	750.0	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s...
		Eff (%)

Des	Field Est (Cost/unit)	Consumed

Time	Type	Des

Wellbore Name	KO MD (ftKB)
Original Hole	



## Daily Drilling Report

Report for: 9/8/2014

Report #: 3.0, DFS: 0.50

Depth Progress:

Well Name: DEEP CREEK 8-22-4-2E

UWI/API 43-047-54102	Surface Legal Location 8-22-4-2	License # FEE
Spud Date 8/12/2014 09:00	Date TD Reached (wellbore) 9/13/2014 06:30	Rig Release Date 9/14/2014 17:00
	Ground Elevation (ft) 4,967.00	Orig KB Elev (ft) 4,979.00

Completion Type

Weather Rain	Temperature (°F) 82.0	Road Condition Good	Hole Condition Good
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Operation At 6am  
Drill Cement & Float Equipmt.

Operation Next 24hrs  
Drill 7 7/8" Production Hole

24 Hr Summary

M.I.R.U., Pressure Test BOP, Pick Up Steerable BHA, Trip In Hole, Drill Out 9 5/8" Shoe Track,

## Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
14:00	18:00	4.00	4.00	1	RIGUP & TEARDOWN	Move In / Rig Up
18:00	22:00	4.00	8.00	14	NIPPLE UP B.O.P	Nipple Up BOP
22:00	01:00	3.00	11.00	15	TEST B.O.P	Pressure Test BOP, Pipe Rams, Blind Rams, Safety Valves, Lines, Choke Manifold 3000 PSI/10 Min. Annular BOP 1500 Psi/10 Min., Casing 1500 Psi/ 30 Min.
01:00	03:30	2.50	13.50	6	TRIPS	Pick Up Directional Tools, Trip In hole w/ BHA
03:30	04:30	1.00	14.50	9	CUT OFF DRILL LINE	Cut & Slip 80' Drilling Line
04:30	05:00	0.50	15.00	6	TRIPS	Trip In Hole, Tag Cement Top @ 931'
05:00	06:00	1.00	16.00	22	OPEN	Drill Cement & Float Equipment f/931' to 1044'

## Mud Checks

1,044.0ftKB, 9/8/2014 14:00

Type Dap	Time 14:00	Depth (ftKB) 1,044.0	Density (lb/gal) 8.40	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH 8.0	Sand (%)	Solids (%) 1.0
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 3,000.000	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)

Whole Mud Added (bbl)

Mud Lost to Hole (bbl)

Mud Lost to Surface (bbl)

Reserve Mud Volume (bbl)

Active Mud Volume (bbl)

## Drill Strings

BHA #&lt;stringno&gt;, &lt;des&gt;

Bit Run | Drill Bit | Length (ft) | IADC Bit Dull | TFA (incl Noz) (in²) | BHA ROP...

Nozzles (1/32") | String Length (ft) | Max Nominal OD (in)

String Components

Comment

## Drilling Parameters

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq

AFE Number 1752013US	Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0
-------------------------	---------------------------	-------------------------

Target Formation

Wasatch

Target Depth (ftKB)

7,258.0

Last Casing String

Surface, 1,025.0ftKB

## Daily Contacts

Job Contact

Mobile

Floyd Mitchell

435-823-3608

Brent Bascom

435-828-1175

## Rigs

## Capstar, 316

Contractor

Capstar

Rig Number

316

Rig Supervisor

Eric Thompson

Phone Mobile

307-259-8473

## 1, Gardner-Denver, PZ-9

Pump #

1

Pwr (hp)

750.0

Rod Dia (in)

6

Liner Size (in)

6

Stroke (in)

9.02

Vol/Stk OR (b...)

0.079

P (psi)

Slow Spd

Strokes (s...)

Eff (%)

## 2, Gardner-Denver, PZ-9

Pump #

2

Pwr (hp)

750.0

Rod Dia (in)

6

Liner Size (in)

6

Stroke (in)

9.02

Vol/Stk OR (b...)

0.079

P (psi)

Slow Spd

Strokes (s...)

Eff (%)

## Mud Additive Amounts

Des

Field Est (Cost/unit)

Consume d

## Safety Checks

Time

Type

Des

18:00

Safety Meeting

0

06:00

Safety Meeting

0

## Wellbores

Wellbore Name

KO MD (ftKB)

Original Hole



## Daily Drilling Report

Report for: 9/9/2014  
Report #: 4.0, DFS: 1.50  
Depth Progress: 2,542.00

Well Name: DEEP CREEK 8-22-4-2E

UWI/API 43-047-54102	Surface Legal Location 8-22-4-2	License # FEE
Spud Date 8/12/2014 09:00	Date TD Reached (wellbore) 9/13/2014 06:30	Rig Release Date 9/14/2014 17:00
	Ground Elevation (ft) 4,967.00	Orig KB Elev (ft) 4,979.00

Completion Type				
Weather Rain		Temperature (°F) 67.0	Road Condition Good	Hole Condition Good
Operation At 6am Drilling @ 3586'			Operation Next 24hrs Drill 7 7/8" Production Hole	
24 Hr Summary Drilling f/ 1044' to 3586' (2542' @ 110.5 fph) 18k wob,504 gpm,Mahogany Bench Top Expected @ 3713',Lithology 10% DOLST,70%SH,20%CLYST, BKG 150 u Conn. 350 u,peak 420 u @ 3156'				

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	17:00	11.00	11.00	2	DRILL ACTUAL	Drilling f/ 1044' to 2304' (1160' @ 105.5 fph) 18k wob,504 gpm
17:00	17:30	0.50	11.50	7	LUBRICATE RIG	Rig Service
17:30	04:30	11.00	22.50	2	DRILL ACTUAL	Drilling f/ 2304' to 3513' (1209' @ 109.9 fph) 18k wob,504 gpm
04:30	05:00	0.50	23.00	8	REPAIR RIG	Replace Hydraulic Coupling, H.P.U.
05:00	06:00	1.00	24.00	2	DRILL ACTUAL	Drilling f/ 3513' to 3586' (73 fph) 16k wob,394 gpm

Mud Checks						
1,510.0ftKB, 9/9/2014 10:30						
Type Dap	Time 10:30	Depth (ftKB) 1,510.0	Density (lb/gal) 8.40	Funnel Viscosity (s/qt) 27	PV Override (cP)	YP OR (lb/100ft²)
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
				9.0		1.0
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
		3,000.000		0.1		
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

Drill Strings					
BHA #1, Steerable					
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...
1	7 7/8in, MDi616 (PN65833A105), JJ4714	1.00	0-1-WT-N-X-0-NO-TD	1.18	67.2
Nozzles (1/32")		String Length (ft)		Max Nominal OD (in)	
16/16/16/16/16/16		552.05		6.500	
String Components					
Smith MDi616 (PN65833A105), Mud Motor, UBHO, NMDC, Drill Collar, HWDP					
Comment					
Smith MDi616 (Newsco MM,6.5" 7/8, 2.9 Stg. .16 Rev. 1.50° Bend)(6.375"x2.5"UBHO) (1-6.375"x2.375"NMDC)(6-6.125"x 2.375" DC)(10-4.5" HWDP)					

Drilling Parameters											
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)
Original Hole	1,044.0	3,586.0	2,542.0	23.00	110.5	394	16	60	1,300.0	70	90
			0								10,000.0

AFE Number 1752013US	Start Depth (ftKB) 1,044.0	End Depth (ftKB) 3,586.0
Target Formation Wasatch	Target Depth (ftKB) 7,258.0	
Last Casing String Surface, 1,025.0ftKB		

Daily Contacts	
Job Contact	Mobile
Floyd Mitchell	435-823-3608
Brent Bascom	435-828-1175

Rigs		
Capstar, 316		
Contractor Capstar		Rig Number 316
Rig Supervisor Eric Thompson		Phone Mobile 307-259-8473
1, Gardner-Denver, PZ-9		
Pump # 1	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi)	Slow Spd	Strokes (s... Eff (%)

2, Gardner-Denver, PZ-9		
Pump # 2	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi)	Slow Spd	Strokes (s...) Eff (%)

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
DAP	35.00	8.0
DAP	35.00	46.0
Engineering	450.00	1.0
Rental	50.00	1.0
Tax	1.00	20.0

Safety Checks		
Time	Type	Des
18:00	Safety Meeting	
06:00	Safety Meeting	

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



## Daily Drilling Report

Report for: 9/10/2014  
Report #: 5.0, DFS: 2.50  
Depth Progress: 1,344.00

**Well Name: DEEP CREEK 8-22-4-2E**

UWI/API 43-047-54102		Surface Legal Location 8-22-4-2		License # FEE								
Spud Date 8/12/2014 09:00		Date TD Reached (wellbore) 9/13/2014 06:30		Rig Release Date 9/14/2014 17:00								
		Ground Elevation (ft) 4,967.00		Orig KB Elev (ft) 4,979.00								
Completion Type												
Weather Clear		Temperature (°F) 74.0		Road Condition Good								
Hole Condition Good												
Operation At 6am Drilling @ 4830'			Operation Next 24hrs Drill 7 7/8" Production Hole									
24 Hr Summary Drilling f/ 3586' to 4930' (1344' @ 57.2 fph)16-18k wob,394 gpm,(345 bbl Seepage loss) Mahogany Bench Top @ 3722',Lithology 50%SH,30%SS,20%CLYST, BKG 180-240 u Conn. 200-614 u,Peak 836 u @ 4572'												
Time Log												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com						
06:00	16:30	10.50	10.50	2	DRILL ACTUAL	Drilling f/ 3586' to 4271' (685' @ 65.2 fph) 16k wob,394 gpm, ( 175 bbl Seepage Loss)						
16:30	17:00	0.50	11.00	7	LUBRICATE RIG	Rig Service						
17:00	06:00	13.00	24.00	2	DRILL ACTUAL	Drilling f/ 4271' to 4930' (659' @ 50.7 fph) 16k wob,394 gpm, (220 BBI Seepage Loss)						
Mud Checks												
3,860.0ftKB, 9/10/2014 10:00												
Type Dap	Time 10:00	Depth (ftKB) 3,860.0	Density (lb/gal) 9.15	Funnel Viscosity (s/qt) 31	PV Override (cP) 2.0	YP OR (lb/100ft²) 2.000						
Gel 10 sec (lb/100ft²) 2.000	Gel 10 min (lb/100ft²) 4.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH 8.5	Sand (%) 0.3	Solids (%) 6.2						
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 32,000.000	Calcium (mg/L)	Pf (mL/mL) 0.1	Pm (mL/mL)	Gel 30 min (lb/100ft²)						
Whole Mud Added (bbl)		Mud Lost to Hole (bbl) 395.0	Mud Lost to Surface (bbl)		Reserve Mud Volume (bbl)	Active Mud Volume (bbl)						
Drill Strings												
BHA #1, Steerable												
Bit Run 1	Drill Bit 7 7/8in, MDi616 (PN65833A105), JJ4714	Length (ft) 1.00	IADC Bit Dull 0-1-WT-N-X-0-NO-TD	TFA (incl Noz) (in²) 1.18	BHA ROP... 67.2							
Nozzles (1/32") 16/16/16/16/16			String Length (ft) 552.05	Max Nominal OD (in) 6.500								
String Components Smith MDi616 (PN65833A105), Mud Motor, UBHO, NMDC, Drill Collar, HWDP												
Comment Smith MDi616 (Newsco MM,6.5" 7/8, 2.9 Stg. .16 Rev. 1.50° Bend)(6.375"x2.5"UBHO) (1-6.375"x2.375"NMDC)(6-6.125"x 2.375" DC)(10-4.5" HWDP)												
Drilling Parameters												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf )	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	3,586.0	4,930.0	3,886.0 0	46.50	57.2	394	16	60	1,450.0	92	118	8,000.0

AFE Number 1752013US		
Start Depth (ftKB) 3,586.0		End Depth (ftKB) 4,930.0
Target Formation Wasatch		Target Depth (ftKB) 7,258.0
Last Casing String Surface, 1,025.0ftKB		
Daily Contacts		
Job Contact		Mobile
Floyd Mitchell		435-823-3608
Brent Bascom		435-828-1175
Rigs		
Capstar, 316		
Contractor Capstar		Rig Number 316
Rig Supervisor Eric Thompson		Phone Mobile 307-259-8473
1, Gardner-Denver, PZ-9		
Pump # 1	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi) 1,300.0	Slow Spd No	Strokes (s...) 125
		Eff (%) 95
2, Gardner-Denver, PZ-9		
Pump # 2	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi)	Slow Spd	Strokes (s...)
		Eff (%)
Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
Engineering	450.00	1.0
Gel	7.50	80.0
Pallet	20.00	5.0
Rental	50.00	1.0
Sea Mud	15.50	156.0
Shrink Wrap	20.00	5.0
Tax	1.00	347.0
Safety Checks		
Time	Type	Des
18:00	Safety Meeting	
06:00	Safety Meeting	
Wellbores		
Wellbore Name	KO MD (ftKB)	
Original Hole		



## Daily Drilling Report

Report for: 9/11/2014  
Report #: 6.0, DFS: 3.50  
Depth Progress: 1,290.00

Well Name: DEEP CREEK 8-22-4-2E

UWI/API 43-047-54102	Surface Legal Location 8-22-4-2	License # FEE
Spud Date 8/12/2014 09:00	Date TD Reached (wellbore) 9/13/2014 06:30	Rig Release Date 9/14/2014 17:00
	Ground Elevation (ft) 4,967.00	Orig KB Elev (ft) 4,979.00

Completion Type				
Weather Clear		Temperature (°F) 73.0	Road Condition Good	Hole Condition Good
Operation At 6am Drilling @ 6220'			Operation Next 24hrs Drill 7 7/8" Production Hole	
24 Hr Summary Drilling f/ 4830' to 6220' (1390' @ 59.1 fph)16-18k wob,394 gpm,(345 bbl Seepage loss) Black Shale Top @5989",Lithology 80%SH,20%CLYST, BKG 230-300 u Conn. 185-580 u,Peak 850 u @ 5010'				

Time Log					
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity
06:00	14:00	8.00	8.00	2	DRILL ACTUAL
14:00	14:30	0.50	8.50	7	LUBRICATE RIG
14:30	06:00	15.50	24.00	2	DRILL ACTUAL

Mud Checks							
5,380.0ftKB, 9/11/2014 13:00							
Type Dap	Time 13:00	Depth (ftKB) 5,380.0	Density (lb/gal) 9.45	Funnel Viscosity (s/qt) 32	PV Override (cP) 4.0	YP OR (lb/100ft²) 4.000	
Gel 10 sec (lb/100ft²) 3.000	Gel 10 min (lb/100ft²) 5.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH 8.5	Sand (%) 0.3	Solids (%) 8.4	
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 35,000.000	Calcium (mg/L)	Pf (mL/mL) 0.1	Pm (mL/mL)	Gel 30 min (lb/100ft²)	
Whole Mud Added (bbl)	Mud Lost to Hole (bbl) 345.0	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)			

Drill Strings					
BHA #1, Steerable					
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...
1	7 7/8in, MDI616 (PN65833A105), JJ4714	1.00	0-1-WT-N-X-0-NO-TD	1.18	67.2
Nozzles (1/32")		String Length (ft)		Max Nominal OD (in)	
16/16/16/16/16/16		552.05		6.500	
String Components					
Smith MDI616 (PN65833A105), Mud Motor, UBHO, NMDC, Drill Collar, HWDP					
Comment					
Smith MDI616 (Newsco MM,6.5" 7/8, 2.9 Stg. .16 Rev. 1.50° Bend)(6.375"x2.5"UBHO) (1-6.375"x2.375"NMDC)(6-6.125"x 2.375" DC)(10-4.5" HWDP)					

Drilling Parameters											
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)
Original Hole	4,930.0	6,220.0	5,176.0 0	70.00	54.9	394	17	60	1,450.0	106	135

AFE Number 1752013US	Start Depth (ftKB) 4,930.0	End Depth (ftKB) 6,220.0
Target Formation Wasatch	Target Depth (ftKB) 7,258.0	
Last Casing String Surface, 1,025.0ftKB		

Daily Contacts	
Job Contact	Mobile
Floyd Mitchell	435-823-3608
Brent Bascom	435-828-1175

Rigs	
Capstar, 316	
Contractor Capstar	Rig Number 316
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473

1, Gardner-Denver, PZ-9			
Pump # 1	Pwr (hp) 750.0	Rod Dia (in)	
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...)	0.079
P (psi) 1,400.0	Slow Spd No	Strokes (s...)	125
		Eff (%)	95

2, Gardner-Denver, PZ-9			
Pump # 2	Pwr (hp) 750.0	Rod Dia (in)	
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...)	0.079
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
Aluminum Stear.	130.00	1.0
DAP	35.00	46.0
Engineering	450.00	1.0
Hole Seal	21.00	69.0
Pallet	20.00	4.0
Rental	50.00	1.0
Sawdust	4.50	20.0
Sea Mud	15.50	102.0
Shrink Wrap	20.00	4.0
Tax	1.00	351.0
Trucking	1.00	1,200.0

Safety Checks		
Time	Type	Des
18:00	Safety Meeting	
06:00	Safety Meeting	

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



## Daily Drilling Report

Report for: 9/12/2014  
Report #: 7.0, DFS: 4.50  
Depth Progress: 1,120.00

Well Name: DEEP CREEK 8-22-4-2E

UWI/API 43-047-54102		Surface Legal Location 8-22-4-2		License # FEE	
Spud Date 8/12/2014 09:00		Date TD Reached (wellbore) 9/13/2014 06:30		Rig Release Date 9/14/2014 17:00	
		Ground Elevation (ft) 4,967.00		Orig KB Elev (ft) 4,979.00	
Completion Type					
Weather Clear		Temperature (°F) 78.0		Road Condition Good	
				Hole Condition Good	
Operation At 6am Drilling @ 7340'			Operation Next 24hrs Drill to 7360' 7 7/8" Prod Hole TD,Circ f/ Logs, Spot ill Pill, LD/DP, Run Open Hole Logs, Run 5.5" Production Casing		
24 Hr Summary Drilling f/ 6220' to 7340' (1120' @ 47.7 fph)16-18k wob,394 gpm,(375 bbl Seepage loss) Wasatch Top @6661',Lithology 80%CLYST,15%SS,5%SH, BKG 158-204 u Conn. 295-534 u,Peak 889 u @ 7298'					
Time Log					
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity
06:00	16:30	10.50	10.50	2	DRILL ACTUAL
Drilling f/ 6220' to 6752' (532' @ 50.7 fph) 17k wob,394 gpm, (175 bbl Seepage Loss)					
16:30	17:00	0.50	11.00	7	LUBRICATE RIG
Rig Service					
17:00	06:00	13.00	24.00	2	DRILL ACTUAL
Drilling f/ 6752' to 7340' (588' @ 45.2 fph) 16k wob,394 gpm, (200 bbl Seepage Loss)					
Mud Checks					
6,470.0ftKB, 9/12/2014 10:00					
Type Dap	Time 10:00	Depth (ftKB) 6,470.0	Density (lb/gal) 9.70	Funnel Viscosity (s/qt) 32	PV Override (cP) 4.0
YP OR (lb/100ft²) 5.000	Gel 10 sec (lb/100ft²) 4.000	Gel 10 min (lb/100ft²) 6.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 18,000.000	Calcium (mg/L)	Pf (mL/mL) 0.1	Pm (mL/mL)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl) 375.0	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)	
Drill Strings					
BHA #1, Steerable					
Bit Run 1	Drill Bit 7 7/8in, MDi616 (PN65833A105), JJ4714	Length (ft) 1.00	IADC Bit Dull 0-1-WT-N-X-0-NO-TD	TFA (incl Noz) (in²) 1.18	BHA ROP... 67.2
Nozzles (1/32") 16/16/16/16/16/16			String Length (ft) 552.05	Max Nominal OD (in) 6.500	
String Components Smith MDi616 (PN65833A105), Mud Motor, UBHO, NMDC, Drill Collar, HWDP					
Comment Smith MDi616 (Newsco MM,6.5" 7/8, 2.9 Stg. .16 Rev. 1.50° Bend)(6.375"x2.5"UBHO) (1-6.375"x2.375"NMDC)(6-6.125"x 2.375" DC)(10-4.5" HWDP)					
Drilling Parameters					
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)
Original Hole	6,220.0	7,340.0	6,296.0 0	93.50	47.7
					394
					17
					60
					1,500.0
					124
					154
					10,10 0.0

AFE Number 1752013US		
Start Depth (ftKB) 6,220.0	End Depth (ftKB) 7,340.0	
Target Formation Wasatch	Target Depth (ftKB) 7,258.0	
Last Casing String Surface, 1,025.0ftKB		
Daily Contacts		
Job Contact	Mobile	
Floyd Mitchell	435-823-3608	
Brent Bascom	435-828-1175	
Rigs		
Capstar, 316		
Contractor Capstar	Rig Number 316	
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473	
1, Gardner-Denver, PZ-9		
Pump # 1	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b... 0.079
P (psi) 1,450.0	Slow Spd No	Strokes (s... Eff (%) 125 95
2, Gardner-Denver, PZ-9		
Pump # 2	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b... 0.079
P (psi)	Slow Spd	Strokes (s... Eff (%)
Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
DAP	35.00	18.0
Engineering	450.00	1.0
Hole Seal	21.00	49.0
Pallet	20.00	2.0
Rental	50.00	1.0
Sea Mud	15.50	51.0
Shrink Wrap	20.00	2.0
Tax	1.00	177.0
Safety Checks		
Time	Type	Des
18:00	Safety Meeting	
06:00	Safety Meeting	
Wellbores		
Wellbore Name	KO MD (ftKB)	
Original Hole		



## Daily Drilling Report

Report for: 9/13/2014  
Report #: 8.0, DFS: 5.50  
Depth Progress: 20.00

Well Name: DEEP CREEK 8-22-4-2E

UWI/API 43-047-54102		Surface Legal Location 8-22-4-2		License # FEE	
Spud Date 8/12/2014 09:00		Date TD Reached (wellbore) 9/13/2014 06:30		Rig Release Date 9/14/2014 17:00	
				Ground Elevation (ft) 4,967.00	
				Orig KB Elev (ft) 4,979.00	
Completion Type					
Weather Clear		Temperature (°F) 82.0		Road Condition Good	
				Hole Condition Good	
Operation At 6am Run Production Casing @ 4000'				Operation Next 24hrs Run & Cement 5.5" Production Casing @ 7346.51', nipple Down BOP, Clean Pits. Release Rig for Skid to Deep Creek 9-22-4-2E	

## 24 Hr Summary

Drill to 7360' 7 7/8" Prod Hole TD, Circ f/ Logs, Spot ill Pill, LD/DP, Run Open Hole Logs, Run 5.5" Production Casing

## Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	06:30	0.50	0.50	2	DRILL ACTUAL	Drilling f/ 7340' to 7360' (20' @ 40 fph) 16k wob, 394 gpm, no loss
06:30	08:00	1.50	2.00	5	COND MUD & CIRC	Circulate for Logs, Spot 225 bbl 10.0 ppg Kill Pill, TD to 3700'
08:00	11:00	3.00	5.00	6	TRIPS	Lay Down drill Pipe to 2992'
11:00	12:30	1.50	6.50	8	REPAIR RIG	Replace Swivel Motor Bolts
12:30	13:00	0.50	7.00	6	TRIPS	Lay Down drill Pipe to 2500'
13:00	14:00	1.00	8.00	5	COND MUD & CIRC	Circulate Hole Clean, 1 1/2 Bottoms Up, Lost 50 bbl
14:00	16:00	2.00	10.00	6	TRIPS	Continue Lay Down Drill Pipe & BHA
16:00	23:00	7.00	17.00	11	WIRELINE LOGS	Run Open Hole Logs, 1 Run Triple Combo w/ HFD T, Loggers Depth 7357'
23:00	06:00	7.00	24.00	12	RUN CASING & CEMENT	Run 5.5" 17 lb/ft, CP-80 LT&C Production Casing

## Mud Checks

7,360.0ftKB, 9/13/2014 12:00

Type Dap	Time 12:00	Depth (ftKB) 7,360.0	Density (lb/gal) 9.70	Funnel Viscosity (s/qt) 32	PV Override (cP) 4.0	YP OR (lb/100ft²) 5.000
Gel 10 sec (lb/100ft²) 4.000	Gel 10 min (lb/100ft²) 6.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 13,000.000	Calcium (mg/L)	Pf (mL/mL) 0.1	Pm (mL/mL)	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl) 50.0	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

## Drill Strings

## BHA #1, Steerable

Bit Run 1	Drill Bit 7 7/8in, MDI616 (PN65833A105), JJ4714	Length (ft) 1.00	IADC Bit Dull 0-1-WT-N-X-0-NO-TD	TFA (incl Noz) (in²) 1.18	BHA ROP... 67.2
Nozzles (1/32") 16/16/16/16/16/16		String Length (ft) 552.05		Max Nominal OD (in) 6.500	

## String Components

Smith MDI616 (PN65833A105), Mud Motor, UBHO, NMDC, Drill Collar, HWDP

## Comment

Smith MDI616 (Newsco MM, 6.5" 7/8, 2.9 Stg. .16 Rev. 1.50° Bend)(6.375"x2.5"UBHO) (1-6.375"x2.375"NMDC)(6-6.125"x 2.375" DC)(10-4.5" HWDP)

## Drilling Parameters

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	7,340.0	7,360.0	6,316.0 0	94.00	40.0	394	17	60	1,500.0	124	154	10,10 0.0

AFE Number 1752013US	
Start Depth (ftKB) 7,340.0	End Depth (ftKB) 7,360.0
Target Formation Wasatch	Target Depth (ftKB) 7,258.0

## Daily Contacts

Job Contact	Mobile
Floyd Mitchell	435-823-3608
Brent Bascom	435-828-1175

## Rigs

## Capstar, 316

Contractor Capstar	Rig Number 316
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473

## 1, Gardner-Denver, PZ-9

Pump #	Pwr (hp)	Rod Dia (in)	
1	750.0		
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...	
6	9.02	0.079	
P (psi)	Slow Spd	Strokes (s...	Eff (%)
1,500.0	No	125	95

## 2, Gardner-Denver, PZ-9

Pump #	Pwr (hp)	Rod Dia (in)
2	750.0	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
6	9.02	0.079
P (psi)	Slow Spd	Strokes (s... Eff (%)

## Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed
Barite	10.65	120.0
Brine	7.50	360.0
DAP	35.00	7.0
Engineering	450.00	1.0
Hole Seal	21.00	23.0
Liqui Drill	135.00	1.0
Pallet	20.00	5.0
Rental	50.00	1.0
Sawdust	4.50	150.0
Sea Mud	15.50	225.0
Shrink Wrap	20.00	5.0
Tax	1.00	348.0

## Safety Checks

Time	Type	Des
18:00	Safety Meeting	
06:00	Safety Meeting	

## Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	



## Daily Drilling Report

Report for: 9/14/2014  
Report #: 9.0, DFS: 6.50  
Depth Progress: 0.00

Well Name: DEEP CREEK 8-22-4-2E

UWI/API 43-047-54102	Surface Legal Location 8-22-4-2	License # FEE
Spud Date 8/12/2014 09:00	Date TD Reached (wellbore) 9/13/2014 06:30	Rig Release Date 9/14/2014 17:00
	Ground Elevation (ft) 4,967.00	Orig KB Elev (ft) 4,979.00

Completion Type	Weather Clear	Temperature (°F) 78.0	Road Condition Good	Hole Condition Good
Operation At 6am	Operation Next 24hrs Release Rig For Skid to Deep Creek 9-22-4-2E @ 17:00, 9/14/2014			

24 Hr Summary Run & Cement 5.5" Production Casing @ 7346.51', nipple Down BOP, Clean Pits. Release Rig for Skid to Deep Creek 9-22-4-2E
--

## Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	10:30	4.50	4.50	12	RUN CASING & CEMENT	Run 161 Jts. 5.5" 17 lb/ft, CP-80 LT&C Production Casing, Set @ 7346.53', Float Collar Set @ 7298', Wasatch Marker Set @ 6661', TGR3 Marker set @ 4745', Landed Casing Hanger w/ 100K
10:30	13:00	2.50	7.00	12	RUN CASING & CEMENT	Safety meeting, Rig Up Halliburton Cementers, Pressure Test lines to 5000 psi. Pump 10 bbl Fresh Water Spacer, 142 bbl (185 sx) 10.5 ppg, 4.31 cuft/sk Lead Cement @ 6 bbl/min., 158 bbl (535 sx) 13.1 ppg, 1.65 cuft/sk Tail cement @ 5 bbl/min, Displace w/ 169 bbl Fresh Water 6/bbl/min, 1460 psi lift pressure @ 3 bbl/min., Slow Rate, Land Latch Down Plug w/ 2170 psi .Good Returns. No cement Back, Floats Held.
13:00	17:00	4.00	11.00	14	NIPPLE UP B.O.P	Nipple Down BOP, Clean Pits. Release Rig @ 17:00

## Mud Checks

7,360.0ftKB, 9/14/2014 11:30						
Type Dap	Time 11:30	Depth (ftKB) 7,360.0	Density (lb/gal) 9.70	Funnel Viscosity (s/qt) 31	PV Override (cP) 4.0	YP OR (lb/100ft²) 4.000
Gel 10 sec (lb/100ft²) 4.000	Gel 10 min (lb/100ft²) 5.000	Filtrate (mL/30min) 13,000.000	Filter Cake (1/32")	pH 8.5	Sand (%) 0.3	Solids (%) 10.3
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL) 0.1	Pm (mL/mL)	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl) 50.0	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

## Drill Strings

BHA #<stringno>, <des>					
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...
Nozzles (1/32")		String Length (ft)		Max Nominal OD (in)	
String Components					
Comment					

## Drilling Parameters

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq

AFE Number 1752013US	
Start Depth (ftKB) 7,360.0	End Depth (ftKB) 7,360.0
Target Formation Wasatch	Target Depth (ftKB) 7,258.0

Daily Contacts	
Job Contact	Mobile
Floyd Mitchell	435-823-3608
Brent Bascom	435-828-1175

## Rigs

Capstar, 316	
Contractor Capstar	Rig Number 316
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473

## 1, Gardner-Denver, PZ-9

Pump # 1	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi)	Slow Spd	Strokes (s...) Eff (%)

## 2, Gardner-Denver, PZ-9

Pump # 2	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi)	Slow Spd	Strokes (s...) Eff (%)

## Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed
Engineering	450.00	1.0
Rental	50.00	1.0

## Safety Checks

Time	Type	Des

## Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:

9. API NUMBER:

10 FIELD AND POOL, OR WILDCAT

11. QTR/QTR, SECTION, TOWNSHIP, RANGE,  
MERIDIAN:

12. COUNTY

13. STATE

UTAH

1a. TYPE OF WELL:

OIL  
WELL ☐GAS  
WELL ☐DRY ☐

OTHER

b. TYPE OF WORK:

NEW  
WELL ☐HORIZ.  
LATS. ☐DEEP-  
EN ☐RE-  
ENTRY ☐DIFF.  
RESVR. ☐

OTHER

2. NAME OF OPERATOR:

3. ADDRESS OF OPERATOR:

CITY

STATE

ZIP

PHONE NUMBER:

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE:

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

14. DATE SPUDDED:

15. DATE T.D. REACHED:

16. DATE COMPLETED:

ABANDONED ☐READY TO PRODUCE ☐

17. ELEVATIONS (DF, RKB, RT, GL):

18. TOTAL DEPTH: MD

TVD

19. PLUG BACK T.D.: MD

TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD

PLUG SET:

TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

23.

WAS WELL CORED?

NO ☐YES ☐

(Submit analysis)

WAS DST RUN?

NO ☐YES ☐

(Submit report)

DIRECTIONAL SURVEY?

NO ☐YES ☐

(Submit copy)

## 24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED

## 25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

## 26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A)				
(B)				
(C)				
(D)				

## 27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

## 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

## 29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY  
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: \_\_\_\_\_

## 30. WELL STATUS:

**31. INITIAL PRODUCTION****INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL B (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL C (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL D (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)****33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

**34. FORMATION (Log) MARKERS:**

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

**35. ADDITIONAL REMARKS (Include plugging procedure)**

**36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.**

NAME (PLEASE PRINT) \_\_\_\_\_ TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



Job Number: 34364

Company: Crescent Point

Lease/Well: Deep Creek 8-22-4-2E

Location: Deep Creek 8-22-4-2E

Rig Name: Capstar 316

RKB: ☐G.L. or M.S.L.: ☐

State/Country: Utah / US

Declination: ☐Grid: ☐

File name: C:\WINSERVE\ACCESS\34364.SVY

Date/Time: 13-Sep-14 / 10:04

Curve Name: As Drilled

**As Drilled**

WINSERVE SURVEY CALCULATIONS  
 Minimum Curvature Method  
 Vertical Section Plane .00  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1058.00	.40	131.30	1057.99	-2.44	2.77	-2.44	3.69	131.30	.04
1143.00	.30	156.80	1142.99	-2.84	3.09	-2.84	4.19	132.61	.21
1229.00	.70	348.80	1228.99	-2.53	3.07	-2.53	3.98	129.47	1.16
1314.00	.90	3.30	1313.98	-1.35	3.01	-1.35	3.30	114.22	.33
1400.00	1.00	8.30	1399.97	.06	3.16	.06	3.16	88.85	.15
1485.00	.90	356.80	1484.96	1.46	3.23	1.46	3.54	65.60	.25
1571.00	.90	9.20	1570.95	2.80	3.30	2.80	4.33	49.61	.23
1656.00	1.00	2.50	1655.93	4.20	3.44	4.20	5.43	39.25	.18
1741.00	.90	357.00	1740.92	5.61	3.43	5.61	6.58	31.45	.16
1827.00	.80	356.20	1826.91	6.89	3.36	6.89	7.66	26.00	.12
1955.00	.70	352.70	1954.90	8.55	3.20	8.55	9.13	20.51	.09
2083.00	.80	352.10	2082.89	10.21	2.98	10.21	10.64	16.25	.08

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2211.00	.80	353.60	2210.88	11.99	2.75	11.99	12.30	12.94	.02
2340.00	.60	348.90	2339.87	13.54	2.52	13.54	13.78	10.56	.16
2468.00	.40	339.00	2467.86	14.62	2.24	14.62	14.79	8.69	.17
2596.00	1.00	5.20	2595.85	16.15	2.18	16.15	16.29	7.68	.52
2724.00	1.40	10.70	2723.83	18.80	2.57	18.80	18.97	7.78	.32
2852.00	.70	20.10	2851.80	21.07	3.13	21.07	21.30	8.44	.56
2981.00	.40	39.20	2980.80	22.16	3.68	22.16	22.46	9.44	.27
3109.00	.80	334.90	3108.79	23.31	3.59	23.31	23.59	8.74	.56
3237.00	.90	330.80	3236.78	25.00	2.72	25.00	25.15	6.20	.09
3366.00	1.00	326.70	3365.76	26.82	1.60	26.82	26.87	3.42	.09
3494.00	1.20	331.10	3493.74	28.93	.34	28.93	28.93	.68	.17
3622.00	.80	317.00	3621.72	30.76	-.91	30.76	30.77	358.30	.36
3750.00	.90	266.90	3749.70	31.36	-2.53	31.36	31.46	355.39	.57
3879.00	.90	228.90	3878.69	30.64	-4.30	30.64	30.94	352.01	.45
4007.00	.20	84.60	4006.68	30.00	-4.84	30.00	30.38	350.84	.84
4135.00	.40	103.60	4134.68	29.91	-4.18	29.91	30.20	352.04	.17
4264.00	.60	152.20	4263.68	29.21	-3.43	29.21	29.41	353.31	.35
4392.00	.70	148.60	4391.67	27.95	-2.71	27.95	28.08	354.47	.08
4520.00	1.00	180.80	4519.66	26.17	-2.32	26.17	26.27	354.94	.43
4649.00	.60	237.10	4648.65	24.67	-2.90	24.67	24.84	353.30	.65
4777.00	.70	200.00	4776.64	23.57	-3.73	23.57	23.87	351.01	.33
4906.00	1.00	205.60	4905.62	21.82	-4.49	21.82	22.27	348.38	.24
5034.00	1.00	217.30	5033.60	19.92	-5.65	19.92	20.71	344.18	.16
5162.00	.80	204.10	5161.59	18.22	-6.69	18.22	19.41	339.85	.22
5290.00	1.60	194.30	5289.56	15.67	-7.49	15.67	17.37	334.45	.64
5418.00	1.60	176.30	5417.51	12.16	-7.82	12.16	14.45	327.25	.39
5546.00	1.80	173.10	5545.45	8.38	-7.46	8.38	11.22	318.31	.17
5675.00	2.00	186.60	5674.38	4.13	-7.48	4.13	8.54	298.91	.38
5803.00	1.00	196.40	5802.34	.84	-8.05	.84	8.09	275.95	.80
5932.00	1.40	168.40	5931.31	-1.78	-8.05	-1.78	8.25	257.51	.54
6060.00	1.50	171.10	6059.27	-4.97	-7.48	-4.97	8.98	236.38	.09
6188.00	1.40	169.60	6187.23	-8.16	-6.94	-8.16	10.71	220.35	.08
6317.00	1.90	162.80	6316.18	-11.76	-6.02	-11.76	13.21	207.11	.42
6445.00	1.90	173.70	6444.11	-15.89	-5.16	-15.89	16.71	197.98	.28

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
6573.00	1.80	174.70	6572.04	-20.00	-4.74	-20.00	20.56	193.33	.08
6702.00	1.60	172.70	6700.98	-23.81	-4.32	-23.81	24.20	190.29	.16
6830.00	1.60	176.00	6828.93	-27.36	-3.97	-27.36	27.65	188.26	.07
6958.00	1.60	168.80	6956.88	-30.90	-3.50	-30.90	31.10	186.46	.16
7086.00	1.50	167.00	7084.84	-34.28	-2.78	-34.28	34.40	184.63	.09
7214.00	1.40	173.00	7212.79	-37.47	-2.21	-37.47	37.53	183.37	.14
7310.00	1.40	168.90	7308.77	-39.78	-1.84	-39.78	39.83	182.65	.10
Projection To Bit									
7360.00	1.40	168.90	7358.75	-40.98	-1.61	-40.98	41.01	182.24	.00

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Deep Creek 8-22-4-2E	
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP		9. API NUMBER: 43047541020000
3. ADDRESS OF OPERATOR: 555 17th Street, Suite 750, Denver, CO, 80202	PHONE NUMBER: 720 880-3621 Ext	9. FIELD and POOL or WILDCAT: LELAND BENCH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FNL 0650 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 22 Township: 04.0S Range: 02.0E Meridian: U		COUNTY: UINTAH
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/30/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached application to commingle production formations for the Deep Creek 8-22-4-2E

Approved by the  
 March 04, 2015  
 Oil, Gas and Mining

Date: \_\_\_\_\_

By: Dark Duff

NAME (PLEASE PRINT) Valari Cray	PHONE NUMBER 303 880-3637	TITLE Drilling And Completion Tech
SIGNATURE N/A		DATE 1/30/2015



January 21, 2015

Utah Division of Oil, Gas & Mining  
Attention: Dustin Doucet  
1594 West North Temple, Suite 1120  
Salt Lake City, Utah 84116

RE: Sundry Notices  
Deep Creek 8-22-4-2E  
Uintah County, UT

Dear Mr. Doucet:

Crescent Point Energy has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the subject well. Pursuant to the Utah OGM regulations, we have enclosed a copy of the Sundry Notice, a plat showing the owners of contiguous leases, as well as an affidavit confirming notice.

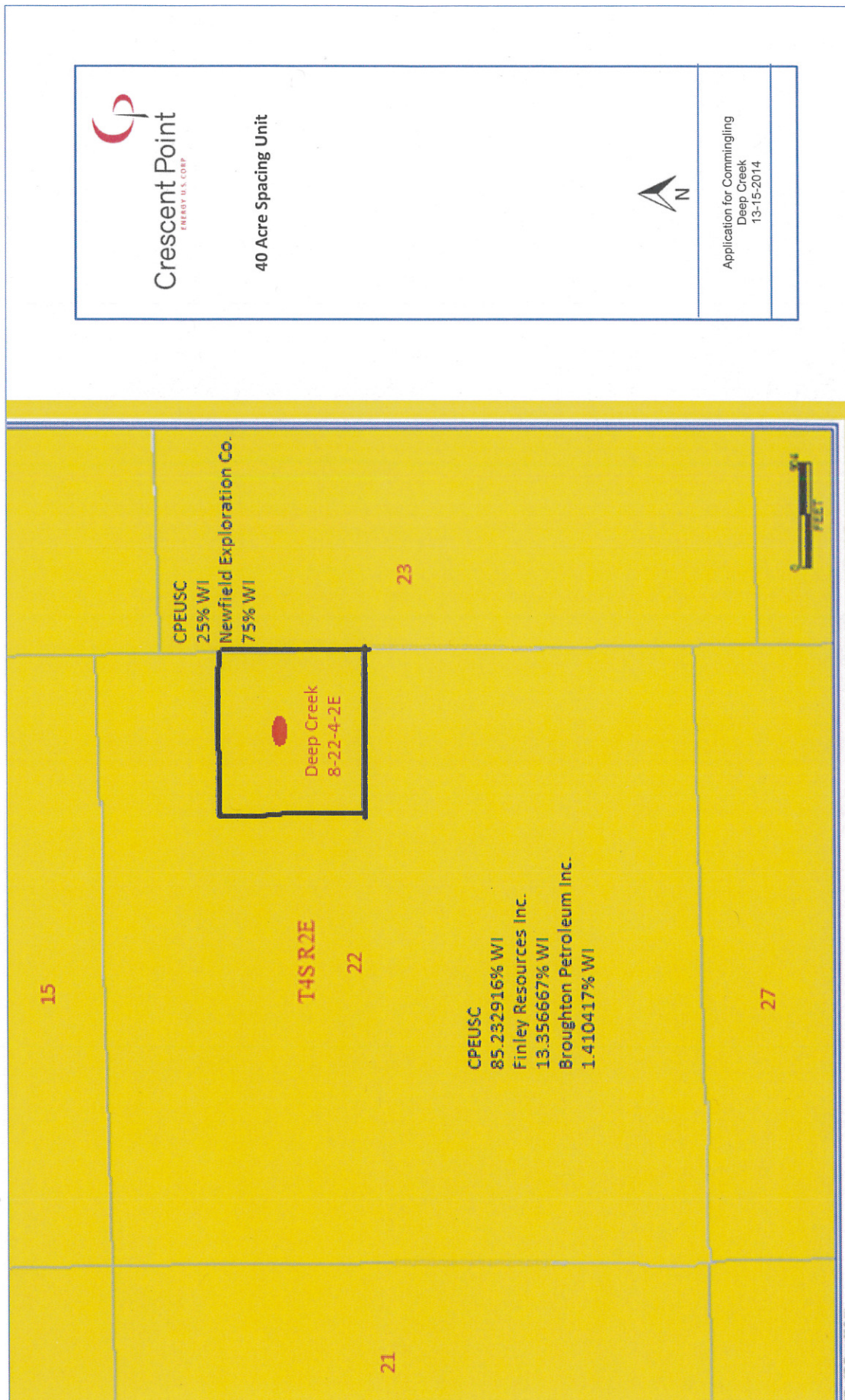
If you should have any questions regarding these Sundry Notices, please feel free to contact me at 303-308-6794.

Sincerely,

A handwritten signature in black ink, appearing to read 'A. Stone', is written over a horizontal line.

Andrew M. Stone  
Land Consultant

Enclosures



In accordance with Utah Division of Oil, Gas, and Mining's Rule 649-3-22, Completion Into Two Or More Pools, Crescent Point Energy is submitting this sundry to request commingling approval for the Wasatch and Green River formations based on the following conclusions:

- Oil and associated gas compositions are similar across all formations.
- The respective well is located within a 40-acre unspaced unit
- The pressure profile across the formations is similar and Crescent Point Energy does not anticipate any cross flow.
- Following commingling, production will be considered to be from one pool.
- In the event that allocation by zone or interval is required, Crescent Point Energy would use representative sampling obtained from production logs and allocate on a percentage basis by zone or interval.

A letter, an affidavit(s) of notice, and plat are attached.

**AFFIDAVIT OF NOTICE**

Andrew M. Stone, of lawful age, after having first duly sworn upon his oath, disposes and states:

That he is employed by Crescent Point Energy U.S. Corp. ("Crescent Point") as a Land Consultant. Crescent Point has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the following well within the Randlett Exploration and Development Agreement Area:

Deep Creek 8-22-4-2E: SENE Section 22 T4S-R2E

That in compliance with the Utah OGM regulation R649-3-22, I have provided a copy of the Sundry Notice, via certified mail, to the owners (see listed below) of all contiguous oil and gas leases or drilling units overlying the pool.

Finley Resources Inc.  
Attn: Zachary Archer  
1308 Lake St.  
Fort Worth, TX  
76102

Broughton Petroleum Inc.  
ATTN: Bill Wilson  
PO Box 1389  
Sealy, TX 77474

Newfield Exploration Company  
Attn: Land Department  
1001 17<sup>th</sup> Street #2000  
Denver, CO 80202

Date: January 21, 2015

Affiant

A handwritten signature in black ink, appearing to read 'A. Stone', written over a horizontal line.

Andrew M. Stone  
Land Consultant